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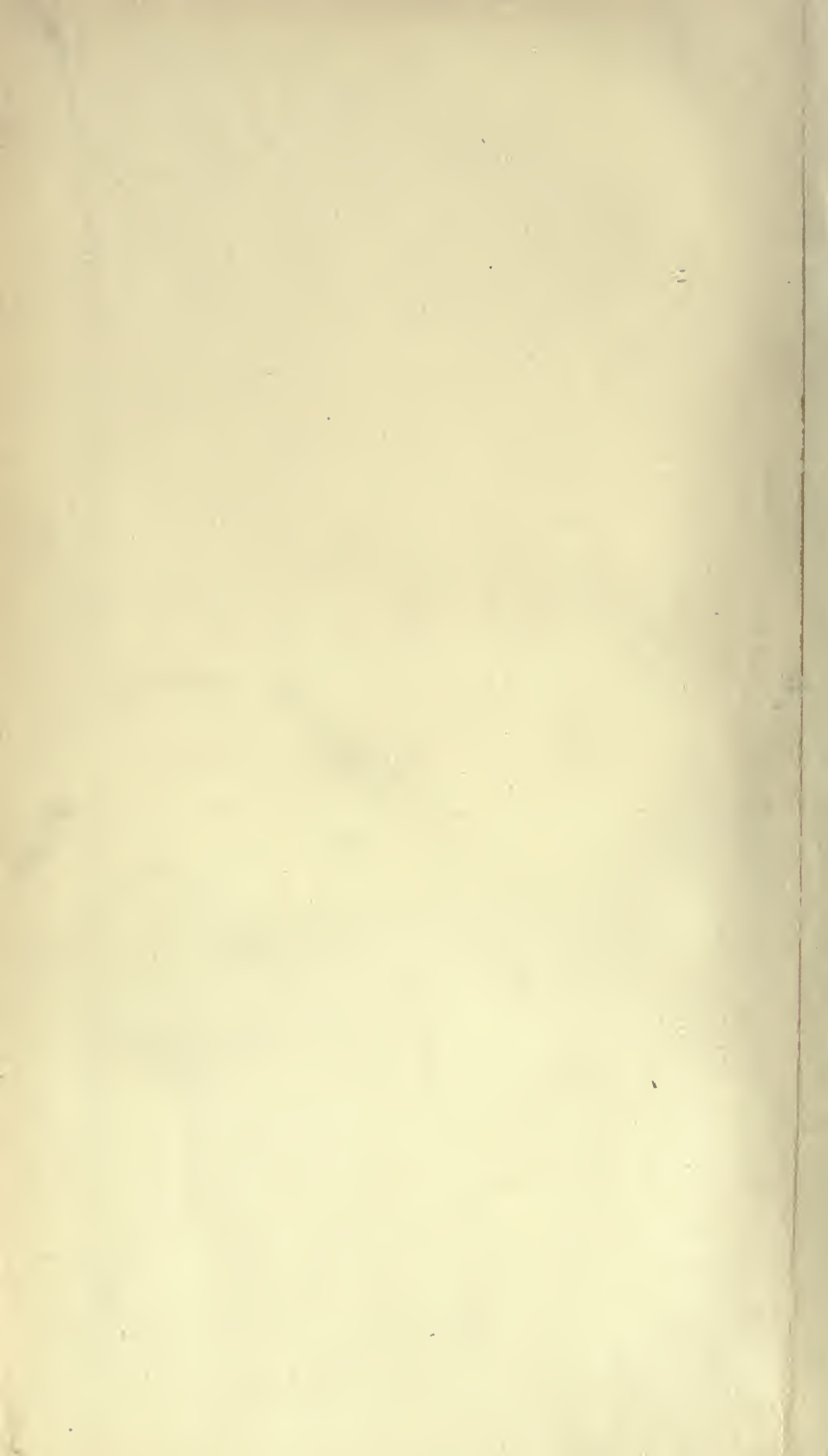


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OF

AS PROVED BY

BORINGS AND SINKINGS.

AS PROVED BY

S-T.

ISSUED BY THE COUNCIL OF THE NORTH OF ENGLAND INSTITUTE OF  
MINING AND MECHANICAL ENGINEERS.

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# AN ACCOUNT OF THE STRATA

OF

## NORTHUMBERLAND AND DURHAM

AS PROVED BY

### BORINGS AND SINKINGS.

No. 1,631.—SACRISTON.

TOWNSHIP OF WITTON GILBERT, DURHAM.

Sheet 19 of Ordnance Map. Lat.

Long.

*Account of Strata bored through in Lingey Close, near the Lane, Sacriston Royalty.  
First Hole.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	0	10				Brought forward	3	3	11	13	0	0
Strong brown clay ...	2	5	3				White post, with water	0	4	4			
Sand and gravel ...	0	4	0				Grey metal stone, with						
Loamy sand ...	0	2	0				post girdles ...	0	2	3			
Blue clay ...	0	5	0				Strong whin ...	0	0	7			
Clay, mixed with sand							Strong white post ...	0	3	1			
and stones ...	1	3	11				Blue metal stone,						
Whinstone (tumblers)	0	2	0				mixed with post						
Sand ...	0	2	0				girdles ...	0	5	3			
Strong clay ...	0	1	3				Strong grey post, with						
White post ...	0	1	6				water ...	1	0	6			
Grey metal ...	0	4	0				Grey metal stone, with						
Black stone, mixed							post girdles ...	0	5	10			
with coal ...	0	0	10										
	Ft.	In.						Ft.	In.				
<b>COAL</b> ...	0	6					<b>COAL</b> ...	0	1				
Black stone ...	0	4					Grey metal stone	0	2				
<b>COAL</b> , foul	0	11					<b>COAL</b> ...	0	3				
							Dark metal stone	3	8				
							<b>COAL</b> ...	0	4				
Grey metal, mixed							Dark metal ...	0	4				
with post girdles ...	3	4	2				<b>COAL</b> ...	0	8				
<b>COAL</b> ...	0	3	6										
				13	0	0							
Grey metal stone ...	0	3	0										
White post ...	1	5	1				Grey metal ...	0	0	5			
Grey metal, with whin							White and grey post,						
girdles ...	1	1	10				with metal partings	2	0	0			
Carried forward	3	3	11	13	0	0	Carried forward	2	0	5	22	1	3

## No. 1,631.—SACRISTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward	2	0	5	22	1	3	Brought forward	4	4	2	22	1	3	
Grey metal stone, with post girdles ...	1	4	3				Strong grey post ...	2	3	6				
Strong grey post ...	0	1	0				Strong metal and post girdles ...	0	1	8				
Grey metal, with post girdles ...	0	4	6				Strong white post ...	0	1	7		7	4	11
Carried forward	4	4	2	22	1	3	Total ...				30	0	2	

## No. 1,632.—SACRISTON.

TOWNSHIP OF WITTON GILBERT, DURHAM.

Sheet 19 of Ordnance Map. Lat. 54° 49' 33", Long. 1° 38' 3".

*Account of Strata bored through about 200 yards West of the Pit, Sacriston Royalty. Second Hole.*

Approximate surface level 490 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	0	9				Brought forward	18	1	2			
Blue and yellow clay	1	0	0				Seggar clay ...	0	2	0			
Loamy sand and water	1	0	0				Strong grey metal and						
Loamy sand ... ..	0	3	0				metal stone ...	0	2	9			
Loamy clay ... ..	0	4	0				Whin ... ..	0	0	7			
Loamy sand ... ..	2	4	6				Strong grey post, with						
Brown post ... ..	0	0	8				metal partings ...	1	2	4			
Grey metal stone ...	1	5	10				Dark grey metal ...	1	2	9			
Light grey post, with							Strong white post ...	1	5	2			
water ... ..	0	2	8				Grey metal stone, with						
Grey metal stone, with							post girdles ...	3	1	4			
post girdles ... ..	2	2	0				Grey post ... ..	0	0	7			
Grey post ... ..	0	1	0				<b>COAL</b> , mixed						
<b>COAL</b> —5¼ Seam ...	0	3	6				with black	Ft. In.					
				11	3	11	stone ... ..	0	3½				
Dark stone ... ..	0	4	10				<b>COAL</b> ... ..	0	9				
<b>COAL</b> ... ..	0	0	8							0	1	0½	
Grey metal stone, with											9	0	6½
post girdles ... ..	3	3	6				Grey metal stone and						
Dark metal, with scares							ironstone balls ...	0	4	10			
of coal ... ..	0	1	0										
							<b>COAL</b> ... ..	Ft. In.					
<b>COAL</b> ... ..	0	4					Grey metal band	0	7				
Brass band ... ..	0	1					<b>COAL</b> ... ..	0	5				
<b>COAL</b> ... ..	1	4					<b>COAL</b> ... ..	0	8				
							Grey metal band	0	1½				
							<b>COAL</b> ... ..	0	2				
										0	1	11½	
Dark metal, mixed							Grey metal ... ..	1	1	8			
with coal ... ..	0	0	10				Grey post, with metal						
Grey metal stone ...	0	5	2				partings ... ..	5	5	0			
<b>COAL</b> —Main Coal	0	3	6				In white post ...	1	1	0			
				1	3	6					9	2	5½
Carried forward	18	1	2				Total ... ..				*36	4	2

\* Approximate sea level 270 feet below this.



## No. 1,633.—SACRISTON.

TOWNSHIP OF WITTON GILBERT, DURHAM.

Sheet 19 of Ordnance Map. Lat. , Long.

*Account of Strata bored through in the Third Hole, near the Bridge on the Durham and Nettlesworth road, and near the Gate leading to the Houses, Sacriston Royalty.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	2	0				Brought forward				10	3	11
Strong clay ...	0	2	0				Black stone, mixed						
Sand and gravel ...	1	3	6				with coal ...	0	2	6			
Grey metal stone ...	0	2	8				Dark metal, mixed						
Strong grey post,							with coal ...	0	3	4			
mixed with whin ...	0	1	1				<b>COAL</b> ...	0	0	7			
Grey metal stone ...	2	1	11				Black stone, with <i>foul</i>						
Grey post, mixed with							<i>coal</i> ...	0	0	3			
whin ...	0	3	0				Black stone ...	0	0	5			
Grey metal stone, with							Grey metal stone ...	0	1	0			
post girdles ...	4	2	7								1	2	1
<b>COAL</b> ...	0	3	2										
				10	3	11							
Carried forward				10	3	11	Total ...				12	0	0

## No. 1,634.—SACRISTON.

TOWNSHIP OF WITTON GILBERT, DURHAM.

Sheet 19 of Ordnance Map. Lat. Long.

*Account of Strata bored through in the Fourth Hole, about 10 yards North of Mr. Darling's House, Sacriston.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	1	0				Brought forward	6	0	8			
Yellow clay ...	0	3	0				Grey metal stone and						
Loamy sand ...	0	1	6				post girdles, with						
Sand, with water ...	1	4	6				water ...	3	0	6			
Brown stony clay ...	1	3	6				<b>COAL</b> ...	0	3	0			
Tumbling stone, post	0	1	6				Black stone ...	0	0	10			
Strong brown clay ...	0	4	8								9	5	0
Grey post, with metal													
partings ...	0	5	0										
Carried forward	6	0	8				Total ...				9	5	0



## No. 1,635.—SACRISTON.

TOWNSHIP OF WITTON GILBERT, DURHAM.

Sheet 19 of Ordnance Map. Lat. , Long.

*Account of Strata bored through in the Fifth Hole, being at Charlaw, where the pit is sunk to the Five-Quarter Seam.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	6				Brought forward	9	5	6			
Brown stony clay ...	3	2	3				Grey metal ...	0	1	6			
Blue metal ...	1	3	5				<b>COAL</b> —5/4 Seam ...	0	3	4			
Grey post ...	0	0	7				Dark grey metal,						
Blue metal ...	1	1	3				mixed with coal ...	0	0	6			
Grey post ...	3	2	6								10	4	10
Carried forward	9	5	6				Total ...				10	4	10

## No. 1,636.—SACRISTON.

TOWNSHIP OF WITTON GILBERT, DURHAM.

Sheet 19 of Ordnance Map. Lat. , Long.

*Account of Strata bored through in the Sixth Hole, Sacriston Colliery. 1839.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and loose stones	2	1	3				Brought forward				15	1	7
Post ...	0	5	0				Dark stone ...	0	4	10			
<b>COAL</b> ...	0	6					<b>COAL</b> ...	0	0	8			
Thill ...	1	2					Grey metal stone, with						
<b>COAL</b> ...	0	5					strong post girdles	3	3	6			
				0	2	1	Dark metal, with scares						
Thill ...				0	2	0	of coal ...	0	1	0			
Blue metal ...				0	0	8							
Ironstone ...				0	1	0	<b>COAL</b> ...						
Blue metal ...				0	1	5	Brass band ...	0	1				
Whin ...				0	1	0	<b>COAL</b> ...	1	4				
Grey metal ...				4	0	0					0	1	9
Grey metal, with													
girdles ...				1	3	4	Dark metal, mixed				4	5	9
Post ...				1	2	0	with coal ...	0	0	10			
Post, mixed with whin				0	4	6	Grey metal stone ...	0	5	2			
Grey metal ...				0	3	10	<b>COAL</b> —Main Coal						
Post ...				2	0	0	Seam ...	0	3	6			
<b>COAL</b> —5/4 Seam ...				0	3	6					1	3	6
Carried forward						15	Total ...				21	4	10
						15							

## No. 1,637.—SACRISTON.

TOWNSHIP OF WITTON GILBERT, DURHAM.

Sheet 19 of Ordnance Map. Lat. \_\_\_\_\_, Long. \_\_\_\_\_

*Strata bored through in the Seventh Hole, near the New Grove, Sacriston.*

Approximate surface level \_\_\_\_\_ feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ... ..	4	0	0			
Sand ... ..	0	3	0			
Clay ... ..	3	1	0			
Sand ... ..	0	2	0			
Grey metal ... ..	1	2	0			
<b>COAL—Main Coal</b> ... ..	0	3	1			
				9	5	1
Total ... ..	9	5	1			

## No. 1,638.—SACRISTON.

TOWNSHIP OF WITTON GILBERT, DURHAM.

Sheet 19 of Ordnance Map. Lat. 54° 45' 52", Long. 1° 37' 36".

*Sinking Account of the Findon Hill Pit, Sacriston Colliery. August 9th, 1865.*

Approximate surface level 556 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Strong clay, mixed with soil ... ..	3	4	0				Brought forward	5	4	0	11	5	1
Sand and gravel (200 gallons of water per hour) ... ..	0	2	0				<b>COAL</b> ... ..	0	0	8			
Black stone and coal	0	3	0				Soft thill stone ... ..	0	5	10			
Seggar clay ... ..	1	0	0				<b>COAL, with stone band</b> ... ..	0	1	6			
Strong grey metal ... ..	4	2	0				Strong grey metal ... ..	0	4	7			
White post ... ..	1	4	0				White post ... ..	6	1	6			
<b>COAL, good—Five-Quarter Seam</b> ... ..	0	2	1				<i>Main Coal Seam—</i>						
				11	5	1	<b>COAL, good</b> Ft. In.	3	4				
Seggar clay ... ..	1	2	0				Splint ... ..	1	5				
Strong grey metal, mixed with iron girdles ... ..	4	2	0					0	4	9			
Carried forward	5	4	0	11	5	1	Total ... ..				*26	3	11

\* Approximate sea level 396 feet below this.

## No. 1,639.—ST. ANTHONY'S.

TOWNSHIP OF BYKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat. , Long.

*Account of a Boring in the Farewell Pit, at St. Anthony's Colliery. August 11th, 1769.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to the scaffold, about ... ..				12	3	0	Brought forward	7	3	6	36	0	0
<i>Sunk further:—</i>							Black stone, mixed with whin... ..	0	1	0			
Box ... ..	0	4	0				Grey metal and metal stone, with girdles and water ... ..	5	2	0			
Grey girdly stone ...	2	0	0				Strong white post ...	1	0	0			
<b>COAL</b> ... ..	0	0	9	2	4	9	Black grey metal ...	0	2	6			
Grey metal and girdles	4	0	0				Grey metal and metal stone, with post girdle ... ..	3	5	6			
Thready post ... ..	0	1	6				<b>COAL</b> , foul... ..	0	1	8			
Blue grey metal stone	1	4	3								18	4	2
<i>Bored:—</i>							Grey and blue metal and hard girdles ...	3	3	0			
Blue grey metal stone	0	1	9				Black metal ... ..	2	3	0			
Grey post, with open partings, set away the water ... ..	7	0	0				Grey metal ... ..	0	3	0			
Grey metal girdles ...	2	0	0				Grey girdly stone ...	1	1	0			
Grey post ... ..	1	2	0				Strong white post, with a mixture of whin in several places ...	9	4	10			
Grey post ... ..	2	5	0				Blue grey metal and girdles ... ..	1	3	0			
<i>70-Fathom Coal—</i>							<b>COAL</b> and dust— <i>High Main Seam</i>	1	0	0			
<b>COAL</b> ... ..	1	1									19	5	10
Grey metal ... ..	6	0											
<b>COAL</b> ... ..	0	8											
	1	1	9	20	4	3							
Grey metal stone and girdles ... ..	7	3	6										
Carried forward	7	3	6	36	0	0	Total ... ..				74	4	0

## No. 1,640.—ST. ANTHONY'S.

TOWNSHIP OF BYKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat. , Long.

*Bored in the Farewell Pit, St. Anthony's Colliery. 1767.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to the thill of the <i>Main Coal</i> ...				76	0	0	Brought forward				96	3	0
Below do. the scaffold				20	3	0	Box ... ..	3	0	0			
							White post ... ..	0	4	0			
Carried forward				96	3	0	Carried forward	3	4	0	96	3	0

This section (1,640) is in places similar to 1,642.

## No. 1,640.—ST. ANTHONY'S.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	4	0	96	3	0	Brought forward	7	2	0	116	0	9
<b>COAL</b> ...	0	0	6				6/4 Seam—						
Strong grey metal							<b>COAL</b> ...	0	9				
stone, with post							Grey metal	0	6				
girdles ...	2	0	6				<b>COAL</b> ...	2	0				
Strong white post ...	1	1	0							0	3	3	
Whin ...	0	1	0				Grey metal ...	0	0	8			7
Blue metal stone ...	1	2	7				Grey metal stone and						5
Grey metal stone,							whin girdles ...	1	4	2			3
with post girdles ...	2	4	5				Grey metal and girdles	1	3	0			
Blue metal stone, with							5/4 Seam—						
whin girdles ...	1	4	3				<b>COAL</b> ...	0	3				
<i>Bensham Seam—</i>							Grey metal	0	3				
<b>COAL</b> ...	2	9					<b>COAL</b> ...	2	8				
Band, or brass										0	3	2	
lumps ...	0	2											3
<b>COAL</b> ...	0	9					Blue and grey metal	0	4	0			5
			0	3	8		<b>COAL</b> , foul... ..	0	0	8			0
				13	3	11	Grey metal ...	0	0	1			
Blue grey metal ...	0	1	6				White post ...	0	3	0			
White post ...	2	0	7				Blue and grey metal						
White post, mixed with							stone, with girdles	2	0	0			
whin ...	2	0	0				White post, mixed with						
White post ...	1	2	0				whin ...	0	4	6			
Dark blue metal ...	0	1	3				Grey metal stone ...	0	2	6			
<b>COAL</b> ...	0	0	6				White and grey post	0	4	6			
				5	5	10	Grey metal and girdles	1	0	9			
Grey metal ...	0	0	5				<i>Low Main Seam—</i>						
Grey metal stone and							<b>COAL</b> , with						
girdles ...	2	2	0				sulphur or Ft. In.						
White post, mixed with							water ...	6	0				
whin ...	3	0	7				<b>COAL</b> , with						
Whin ...	0	1	0				scars of						
White post, mixed with							brass ...	0	6				
whin ...	1	0	6						1	0	6		
Dark grey metal stone	0	3	6								7	2	6
							In blue grey metal ...				0	1	2
Carried forward	7	2	0	116	0	9	Total ...				135	2	8

## No. 1,641.—ST. ANTHONY'S.

TOWNSHIP OF BYKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat. 54° 57' 40", Long. 1° 33' 8".

*Bored in the Nightingale Pit, St. Anthony's Colliery. June 11th, 1787.*

Approximate surface level 60 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk below the High	10	0	0			*	Brought forward	15	0	0			
<i>Main Coal Seam</i> {	3	0	0				Whin ...	0	0	6			
Blue metal ...	2	0	0				Blue metal ...	0	1	0			
Carried forward	15	0	0				Carried forward	15	1	6			

\* Approximate sea level (Ordnance datum)



## No. 1,641.—ST. ANTHONY'S.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	15	1	6				Brought forward	18	5	1			
White post ...	...	0	1	0			Blue stone, with grey						
Blue metal ...	...	0	1	0			girdles ...	2	2	0			
Strong white post ...	...	3	1	0			<b>COAL</b> —Yard Seam	0	3	0			
Brown post, with a											21	4	1
little water ...	...	0	0	7			<i>Bored further:—</i>						
							Blue metal ...	...	...	0	2	0	
Carried forward	18	5	1				Total ...	...	...	22	0	1	

## No. 1,642.—ST. ANTHONY'S.

TOWNSHIP OF BYKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat. 54° 58' 5", Long. 1° 33' 25".

*Strata sunk through from the surface to the Low Main Coal, in the Restoration Pit, St. Anthony's Colliery, the first Pit opened in that seam.*

Approximate surface level 135 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	...	0	2	0			Brought forward	64	0	0			
Clay ...	...	4	4	0			Grey metal stone ...	2	0	0			
Brown post ...	...	12	0	0			Strong white post ...	6	0	0			
<b>COAL</b> ...	...	0	6	6			Black metal stone,						
Blue metal stone ...	...	2	5	0			with post girdles ...	3	0	0			
White girdles ...	...	2	1	0			<b>COAL</b> —High Main						
<b>COAL</b> ...	...	0	0	8			Seam ...	1	0	0			
White and grey post }		0	1	10							76	0	0
Soft blue metal stone	5	4	2				Grey metal ...	4	3	0			
<b>COAL</b> ...	...	5	0	0			Post girdles ...	0	2	0			
White post girdles ...	...	3	0	0			Blue metal ...	0	4	0			
Whin ...	...	1	4	6			Girdles ...	0	1	2			
Strong white post ...	...	3	1	0			Blue metal stone ...	5	0	0			
<b>COAL</b> ...	...	0	1	0			Post ...	0	1	0			
Soft blue thill ...	...	1	5	0			Blue metal stone ...	3	0	0			
Soft girdles, mixed							Whin and blue metal	0	1	6			
with whin ...	...	3	5	0			Strong white post ...	3	3	0			
<b>COAL</b> ...	...	0	0	6			Brown post, with water	0	0	7			
Blue and black stone	3	4	0				Blue metal stone, with						
<b>COAL</b> ...	...	0	0	8			grey girdles ...	2	2	0			
Strong white post ...	...	1	3	0			<b>COAL</b> —Yard Seam	0	3	0			
Grey metal stone ...	...	1	4	0							20	3	3
<b>COAL</b> ...	...	0	0	8			Blue metal stone ...	3	0	3			
Grey post, mixed with							White post ...	0	4	0			
whin ...	...	4	1	0			<b>COAL</b> ...	0	0	6			
Grey girdles ...	...	3	1	0			Strong grey metal,						
Blue and black stone	2	2	0				with post girdles ...	2	0	6			
<b>COAL</b> ...	...	0	1	0			Strong white post ...	1	1	0			
							Whin ...	0	1	0			
							Blue metal stone ...	1	2	7			
Carried forward	64	0	0				Carried forward	8	3	10	96	3	3

\* Approximate sea level (Ordnance datum).

## No. 1,642.—ST. ANTHONY'S.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	8	3	10	96	3	3	Brought forward	5	2	0	135	1	6
Grey metal stone, with post girdles	2	4	5				Grey post, with black metal partings	2	0	0			
Blue metal stone, with whin girdles	1	4	3				Black metal stone, with whin girdles	1	1	0			
<b>COAL</b> — <i>Bensham Seam</i>	0	1	6				<b>COAL</b>	0	0	10			
				13	2	0					8	3	10
Blue grey metal	0	3	8				Blue or black stone or thill	0	1	2			
White post	2	0	7				Blue metal stone	0	5	0			
White post, mixed with whin	2	0	0				Grey post	0	3	2			
White post	1	2	0				White post, mixed with whin, with a parting at 17 inches	0	3	2			
Dark blue metal and coal	0	2	2				Blue metal stone	0	1	10			
Grey metal stone and girdles	2	2	0				Whin	0	0	3			
White post, mixed with whin	3	0	7				Blue metal stone	0	0	8			
Whin	0	1	0				Whin	0	0	4			
White post, mixed with whin	1	0	6				Blue metal stone	0	5	1			
Dark grey metal stone	0	3	6				Grey post	0	5	3			
<b>COAL</b> — <i>6/4 Seam</i>	0	3	3				Black stone	0	0	10			
				14	1	3	Whin	0	0	3			
Grey metal and whin girdles	1	4	10				Blue stone, with whin girdles	1	2	3			
Grey metal and girdles	1	3	0				Grey post	1	1	4			
White post	0	3	0				Blue metal stone	0	1	3			
<b>COAL</b> — <i>5/4 Seam</i>	0	3	2				Grey metal stone, with whin girdles	0	5	3			
				4	2	0	Whin	0	0	6			
Blue and grey metal	0	4	0				Grey metal stone, with whin girdles	0	5	3			
<b>COAL</b> , foul	0	0	9				Blue metal stone	0	1	6			
Blue and grey metal	2	0	0				<b>COAL</b>	0	0	2			
White post, mixed with whin	0	4	6								9	2	6
Grey metal	1	0	6				Grey metal stone	0	0	10			
Grey metal and girdles	1	0	9				Grey metal stone, very strong	0	2	0			
<b>COAL</b> — <i>Low Main Seam</i>	1	0	6				Whin	0	0	11			
				6	5	0	Grey metal stone	0	5	0			
<i>Bored in the Restoration Pit Back Shaft from Low Main Coal Seam, July 12th, 1797:—</i>							Whin	0	0	4			
Grey metal stone, with whin girdles	1	0	0				Grey post stone	0	0	4			
Grey post, mixed with whin	1	4	0				Whin	0	1	10			
Black metal stone	1	0	0				Grey metal stone	1	0	1			
Brown post	0	4	0				Black stone	0	1	5			
Whin, with metal partings	1	0	0				Sand	0	0	4			
							Grey post stone	1	3	8			
Carried forward	5	2	0	135	1	6	Blue metal stone	0	0	4			
							Grey metal stone	0	2	9			
							White post stone	0	3	6			
							Whin	0	0	4			
											5	5	8
							Total				159	1	6

Depth of a borehole put down near Byker Bar to a waste and rubbish, 5 feet, at ... 27 4 2 in 1795  
 Also one in the Venture Pit to ... 71 1 3 „ 1767

The above section is in places similar to 1,640.

## No. 1,643.—ST. HELEN'S AUCKLAND.

TOWNSHIP OF ST. HELEN'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 38' 32", Long. 1° 41' 37".

*Account of Borings in Sir P. Musgrave's Estate, near St. Helen's Auckland. First Place about 260 yards West from Broken Backed House and 230 yards North of the Lane. October 27th, 1828.*

Approximate surface level 360 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	0	9				Brought forward	8	4	6	16	3	4
Blue stony clay ...	0	3	9				Grey metal stone, in-						
Brown and grey metal	0	4	0				clining to post near						
Grey post ...	0	2	3				bottom, with whin						
Grey metal stone ...	2	1	3				girdles and much						
<b>COAL</b> , with water—							water ...	4	1	8			
Four-Foot Coal ...	0	2	6				Black metal, mixed						
				4	2	6	with coal ...	0	0	5			
Grey metal ...	1	1	0				<i>Yard Coal or Harvey</i>						
Dark grey metal ...	0	5	0				<i>Seam—</i>						
Strong brown and							<i>Ft. In.</i>						
white post, with							<b>COAL</b> ...	0	4				
water ...	1	3	6				Grey metal ...	0	2				
Black metal, with							<b>COAL</b> ...	0	5				
scares of coal ...	0	1	6				Dark grey						
Grey metal stone, with							metal ...	0	9				
post girdles and a							<b>COAL</b> , with						
strong feeder of							water ...	3	9				
water ...	4	4	6							0	5	5	
Black stone ...	0	1	3										14 0 0
<b>COAL</b> , with water...	0	0	6										
				8	5	3	Grey metal ...	0	4	0			
Dark grey metal ...	0	1	0				Strong white post with						
Grey metal stone, with							metal partings and						
strong post girdles							water ...	1	1	8			
and water at 16							Whin ...	0	0	9			
fathoms, and coal							Grey metal stone ...	0	3	4			
<i>pipes</i> ...	3	0	3				Whin ...	0	2	10			
<b>COAL</b> , with water...	0	0	4				Strong white post,						
				3	1	7	mixed with whin...	0	2	3			
Dark grey stone, with							Grey metal stone, with						
post girdles and							post girdles ...	2	0	6			
water ...	0	5	8				Dark grey metal stone,						
Strong white post,							with girdles ...	0	2	9			
with water ...	1	0	0				Strong thready post,						
Whin ...	0	0	10				with whin and water	0	1	8			
Strong white post,							Dark metal, mixed						
with water ...	0	3	8				with <i>foul coal</i> at						
Darkish grey metal							bottom ...	0	0	10			
stone ...	1	4	6				<b>COAL</b> , with water...	0	1	5			
Grey metal, with iron-											6	4	0
stone girdles ...	1	3	0				Dark grey and black						
Dark grey metal stone	1	1	0				metal ...	0	2	3			
Grey metal stone, with							Grey metal and metal						
post girdles and							stone, with whin						
water ...	1	3	0				girdles and water...	2	0	5			
Whin ...	0	0	10										
Carried forward	8	4	6	16	3	4	Carried forward	2	2	8	37	1	4



## No. 1,643.—ST. HELEN'S AUCKLAND.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.		
Brought forward	2	2	8	37	1	4		Brought forward	0	2	0	58	0	5	
COAL ... ..	0	0	5					Strong white post, mixed with whin and whin girdles	1	3	7			*	
Grey metal ... ..	0	2	0						0	4	4				
COAL ... ..	0	0	6				2 5 7	Grey metal stone, with thin post girdles ...	2	0	0				
								COAL ... ..	0	0	7				
Grey metal stone, with whin girdles and water ... ..	4	5	1									4	4	6	
Dark grey metal stone	0	3	0					Grey metal stone, with some black scars...	0	5	0				
Grey metal stone, with post and whin gir- dles ... ..	3	5	9					White post ... ..	0	2	0				
Strong white post, mixed with whin and black scars ...	0	1	6					Grey metal stone ...	0	2	5				
Grey metal stone, with post and whin girdles ... ..	1	3	0					White and grey post and whin girdles ...	1	3	8				
Strong white post ...	0	4	6					Grey metal stone, with post girdles near the bottom ... ..	2	3	0				
Grey metal ... ..	0	0	4					Grey metal stone (me- tal last 6 inches) ...	0	2	0				
COAL ... ..	0	1	3				12 0 5	<i>Main Coal or Brock- well Seam—</i>							
								COAL ... ..	Ft.	In.					
Grey metal ... ..	0	1	9					COAL, foul ... ..	0	2					
Dark grey metal stone, with girdles ...	0	3	11					COAL, very strong from 16 inches ...	4	10					
Strong white post, with metal partings	2	3	0								0	5	11		
Strong white post, mixed with whin...	2	2	0										7	0	0
COAL ... ..	0	0	5				5 5 1	Whin ... ..	0	0	3				
								Whitish grey metal...	0	2	0				
Darkish grey metal, with some scars of coal ... ..	0	2	0					White post ... ..	0	1	4				
												0	3	7	
Carried forward	0	2	0	58	0	5		Total ... ..				70	2	6	

\* Approximate sea level (Ordnance datum).

## No. 1,644.—ST. HELEN'S AUCKLAND.

TOWNSHIP OF ST. HELEN'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 38' 29", Long. 1° 41' 31".

*Account of Second Hole, about 150 yards South-east from First Hole. December 15th, 1828.*

Approximate surface level 346 feet above sea (Ordnance datum.)

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	0	10				Brought forward	0	2	1			
Sand and water	0	1	3				Loamy clay	0	3	10			
							Stony clay	2	3	0			
Carried forward	0	2	1				Carried forward	3	2	11			

## No. 1,644.—ST. HELEN'S AUCKLAND.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	2	11				Brought forward	9	1	6			
Soft yellow ramby post, with water ...	0	5	9				Grey metal, with gir- dles ...	0	2	9			
Whitish brown post...	1	3	0				<b>COAL</b> , with water, which ran to top ...	0	2	4			
Brown and grey metal stone ...	1	0	0				Darkish metal ...	0	0	6			
Grey metal stone, with water ...	2	1	10								10	1	1
Carried forward	9	1	6				Total ...				<u>*10</u>	<u>1</u>	<u>1</u>

\* Approximate sea level 285 feet below this.

## No. 1,645.—ST. HELEN'S AUCKLAND.

TOWNSHIP OF ST. HELEN'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.  $54^{\circ} 38' 29''$ , Long.  $1^{\circ} 41' 30''$ .*Third Hole, about 156 yards South-east from First Hole.*

Approximate surface level 344 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	6	5	1			
Brown stony clay, with whin tumblers ...	2	2	10				Grey metal stone and grey metal, with post girdles ...	2	3	1			
Grey metal stone ...	1	4	0				<b>COAL</b> , with water...	0	2	9			
White and brown post	0	3	3				In grey metal ...	0	1	2			
Grey metal stone, with water ...	1	4	0								10	0	1
Grey post ...	0	2	0										
Carried forward	6	5	1				Total ...				<u>*10</u>	<u>0</u>	<u>1</u>

\* Approximate sea level 284 feet below this.

## No. 1,646.—ST. HELEN'S AUCKLAND.

TOWNSHIP OF ST. HELEN'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.  $54^{\circ} 38' 32''$ , Long.  $1^{\circ} 41' 44''$ .*Fourth Hole, 145 yards West from First Hole.*

Approximate surface level 370 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	3	5	5			
Brown stony clay ...	1	0	11				Grey metal, with gir- dles ...	0	3	6			
White and brown post	2	3	6										
Carried forward	3	5	5				Carried forward	4	2	11			

## No. 1,646.—ST. HELEN'S AUCKLAND.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	4	2	11				Brought forward	2	4	2	13	3	9
Metal, mixed with <i>coal</i>	0	0	10				Darkish grey metal, with girdles and a scare of <i>coal</i> the last 6 inches ... ..	1	4	7			
				4	3	9	Grey metal stone, with girdles, darkish after 1 fathom and water ... ..	5	2	6			
Grey metal, with gir- dles ... ..	2	3	0				White post, with beds of metal stone and water ... ..	2	1	9			
Grey post, with water	1	5	6				Grey metal stone ... ..	0	5	7			
Metal stone, with post girdles ... ..	1	0	3				Strong white post ... ..	0	2	0			
Grey metal ... ..	0	3	1				Dark grey metal ... ..	0	5	3			
Black stone, with water	0	2	3				<b>COAL</b> , with a strong feeder of water, rather tender near middle and rather foul the last 8 in- ches ... ..	0	4	6	15	0	4
<b>COAL</b> ... ..	0	0	3				Dark grey metal, scared with <i>coal</i> ... ..	0	0	8			
				6	2	4	In grey metal stone, with post girdles ... ..	0	2	0	0	2	8
Grey metal stone, with post girdles ... ..	2	2	6										
Dark metal ... ..	0	0	8										
<b>COAL</b> , with water...	0	0	6										
				2	3	8							
Strong white post, mixed with whin in some places and a strong feeder of water ... ..	2	4	2										
Carried forward	2	4	2	13	3	9	Total ... ..				*29	0	9

\* Approximate sea level 195 feet below this.

## No. 1,647.—ST. HELEN'S AUCKLAND.

TOWNSHIP OF ST. HELEN'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 38' 32", Long. 1° 41' 50".

*Fifth Hole, 212 yards West from Fourth Hole. March 3rd, 1829.*

Approximate surface level 387 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	0	7				Brought forward	1	0	0			
Sandy clay ... ..	0	5	5				Gravel, with clay ... ..	0	3	0			
Carried forward	1	0	0				Carried forward	1	3	0			

## No. 1,647.—ST. HELEN'S AUCKLAND.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	3	0				Brought forward				8	4	4
Stony clay ...	1	1	8				Grey metal stone, with whin and white post girdles ...	2	3	3			
Grey metal, with thin girdles ...	3	2	6				<b>COAL</b> ...	Ft. In.					
<b>COAL</b> ...	0	0	2				Dark metal ...	0	8				
				6	1	4	<b>COAL</b> ...	0	3				
White and grey post, with water ...	1	2	6					0	1	4			
Grey metal ...	0	4	6								2	4	7
Dark grey metal ...	0	1	8				Dark metal ...	0	0	5			
<b>COAL</b> ...	0	0	4				Grey metal stone, with post girdles ...	0	5	8			
				2	3	0					1	0	1
Carried forward				8	4	4	Total ...				*12	3	0

\* Approximate sea level 312 feet below this.

## No. 1,648.—ST. HELEN'S AUCKLAND.

TOWNSHIP OF ST. HELEN'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 38' 32", Long. 1° 41' 40".

*Bored in the Sixth Place at St. Helen's Auckland, about 72 yards West from the First Place and 72 yards East from the Fourth Place.*

Approximate surface level 365 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brown soil ...	0	1	0			
Brown sandy clay ...	1	1	5			
Post girdle and water ...	0	0	3			
<b>COAL</b> , with water ...	0	2	10			
				1	5	6
Whitish grey metal and metal stone ...	3	4	6			
Grey post ...	0	2	6			
Grey metal ...	2	4	8			
				6	5	8
Total ...				*8	5	2

\* Approximate sea level 312 feet below this.





## No. 1,649.—ST. HELEN'S AUCKLAND.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	0	10	51	4	2	Brought forward	0	3	9	55	4	5
Black metal ...	0	2	9										
Whin girdle ...	0	0	6				COAL, with	Ft. In.					
Black metal and some							water ...	4	0				
foul coal ...	0	1	6				COAL, foul...	0	2				
COAL, foul in the										0	4	2	
middle, with water	0	0	8								1	1	11
				4	0	3	Darkish grey metal						
Dark grey metal ...	0	1	0				stone ...				0	2	0
Whin ...	0	0	9										
Dark grey metal stone	0	2	0										
Carried forward	0	3	9	55	4	5	Total ...				57	2	4

## No. 1,650.—ST. HELEN'S AUCKLAND.

TOWNSHIP OF ST. HELEN'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 38' 19", Long. 1° 41' 41".

*Account of Strata passed through in the Engine Pit, at St. Helen's Auckland Colliery.  
Begun March 24th, 1830.*

Approximate surface level 337 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset ...				3	2	8	Brought forward	4	3	2	16	4	3
Brown gravelly soil ...	0	5	0				Jointy grey post gir-						
Sandy gravel ...	0	5	6				dles, with water ...	0	1	2			
Loamy clay ...	0	5	0				Soft grey jointy metal	0	0	9			
Sand ...	0	1	6				Grey post girdle, jointy						
Blue strong clay ...	0	3	8				and wet ...	0	1	6			
Sand ...	0	3	0				Soft grey jointy metal	0	0	6			
Brown strong clay ...	2	2	0				Grey post girdles, jointy,						
Blue metal stone ...	1	2	0				and much water ...	0	1	6			
COAL ...	0	1	10				Strong grey metal						
				7	5	6	stone ...	0	1	10			
Thill ...	0	5	2				Soft black stone ...	0	1	6			
Grey metal ...	0	4	6				COAL, with water ...	0	0	6			
Post girdle ...	0	0	11								6	0	5
Blue metal ...	0	2	0				Soft grey metal ...	0	2	6			
White post ...	1	3	2				Dun post, mixed with						
Soft metal parting ...	0	0	6				whin ...	0	0	6			
Grey metal ...	0	5	10				Dark grey metal ...	0	3	9			
Grey metal, with balls							Strong post girdle and						
of ironstone, 1 inch							water ...	0	0	4			
and 2 inches thick	0	3	6				Grey meta ...	0	1	3			
COAL ...	0	0	6				Post girdle ...	0	0	4			
				5	2	1	Strong grey metal ...	0	0	5			
Thill ...	0	1	8				Post girdles, with						
Strong grey metal stone	4	1	6				partings ...	0	0	11			
Carried forward	4	3	2	16	4	3	Grey metal ...	0	2	4			
							Carried forward	2	0	4	22	4	8

## No. 1,650.—ST. HELEN'S AUUCKLAND.—CONTINUED.

Brought forward		Fs.	Ft.	In.	Fs.	Ft.	In.
		2	0	4	22	4	8
Ft. In.							
COAL, strong	...	0	8				
coarse	...	0	8				
Black swad or	...	0	3				
band	...	0	3				
COAL, strong	...	0	4				
coarse	...	0	4				
—		0	1	3			
		<hr/>					
		2		1	7		
Strong grey metal	...	0	2	10			
Strong white post and	...	0	0	10			
water	...	0	0	10			
Strong grey metal	...	0	3	0			
Post girdles, with	...	0	4	6			
water	...	0	4	6			
Strong white post	...	0	2	6			
Whin	...	0	0	10			
Strong white post	...	0	1	8			
Dark grey metal	...	0	0	6			
White post	...	0	1	4			
Strong black metal	...	1	4	7			
stone, with thin	...	1	4	7			
ironstone girdles	...	1	3	6			
Soft jointy grey metal,	...	1	0	11			
with large balls of	...	0	0	2			
ironstone	...	7	3	2			
Dark metal stone, with	...	0	4	0			
balls of ironstone 3	...	1	5	0			
inches thick	...	0	0	6			
COAL	...	0	0	10			
Strong grey thill	...	0	1	4			
Soft grey metal, with	...	0	3	5			
balls of ironstone	...	0	1	4			
Grey post	...	0	1	3			
Dun whin	...	0	0	4			
Grey post and balls of	...	0	0	4			
ironstone	...	0	0	4			
Grey post	...	0	0	4			
Black metal	...	0	0	4			
Grey metal	...	0	0	4			
Black stone	...	0	0	4			
<hr/>							
Yard Coal or Harvey							
Seam—		Ft.	In.				
COAL, top	...	0	4				
Black danty	...	0	0				
parting	...	0	0				
COAL, good	...	3	0				
Black danty	...	0	0½				
swad	...	0	0½				
COAL, bot-	...	0	4½				
tom, tender	...	0	3	9			
—		5	3	5			
		<hr/>					
Carried forward		38	0	10			

Brought forward		Fs.	Ft.	In.	Fs.	Ft.	In.
		38	0	10			
Strong grey thill	...	0	1	0			
Strong white post	...	0	5	4			
Strong white post and	...	2	0	10			
metal partings	...	0	0	5			
Grey metal	...	1	0	10			
Strong white post and	...	0	1	3			
metal partings	...	0	2	6			
Strong grey post, with	...	1	0	3			
whin	...	0	1	0			
Grey metal	...	1	3	1			
Grey shivery post	...	1	3	1			
<hr/>							
Five-Quarter Seam—							
		Ft.	In.				
COAL, good	...	0	8				
Dark stone	...	0	1				
band	...	0	8				
COAL, splinty	...	0	1				
Dark stone	...	0	1				
band	...	0	11				
COAL, coarse	...	0	2	5			
—		8	0	11			
		<hr/>					
Dark grey thill	...	0	3	10			
Dark grey metal stone,	...	1	2	10			
with balls of iron-	...	0	0	6			
stone	...	0	0	7			
Cockleand mussel shell	...	0	2	0			
bed	...	0	0	6			
Black stone, mixed	...	0	0	7			
with coal and water	...	0	2	0			
Strong grey metal,	...	0	0	6			
with a post girdle	...	0	1	5			
at bottom	...	0	0	5			
COAL	...	3	0	1			
Grey metal stone	...	0	3	8			
COAL, coarse	...	1	0	3			
—		0	3	8			
Grey thill	...	3	0	1			
Grey metal	...	0	3	8			
Dark blue metal, with	...	3	0	3			
balls of ironstone	...	0	4	4			
Black stone, with balls	...	2	0	8			
of ironstone	...	0	1	8			
Strong grey metal {	...	2	2	0			
and ironstone ... }	...	0	0	8			
White post and black	...	4	0	2			
scares of coal	...	0	0	3			
Blue metal stone	...	0	0	3			
White post and me-	...	0	0	3			
tal partings	...	0	0	3			
COAL and stone	...	0	0	3			
		<hr/>					
Carried forward		14	1	11	49	1	10

\* Approximate sea level (Ordnance datum).



## No. 1,650.—ST. HELEN'S AUCKLAND.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward	14	1	11	49	1	10	Brought forward	3	3	1	72	3	8	
White post and metal partings, with much water ... ..	4	0	0				Grey metal, with post girdles and metal partings ... ..	2	3	8				
<b>COAL</b> ... ..	0	0	6				<i>Main Coal or Brockwell Seam—</i>							
				18	2	5								
Soft dark metal ... ..	0	3	6											
White post, metal partings, and water	2	0	11				<b>COAL</b> , top (jointy) ... ..	0	11					
Grey metal stone and post girdles ... ..	2	0	5				Soft grey metal band ... ..	0	1½					
<b>COAL</b> ... ..	0	0	7				<b>COAL</b> , good ... ..	1	4					
				4	5	5	<b>COAL</b> , splint ... ..	0	2					
Soft grey metal ... ..	0	1	7				<b>COAL</b> , good (tender) ... ..	3	1					
Strong grey metal and post girdles ... ..	1	2	11							0	5	7½		
Thin post girdle and metal partings ... ..	0	5	10									7	0	4½
Grey metal ... ..	0	1	3				Sump ... ..					3	3	6
Strong white post ... ..	0	3	6											
Carried forward	3	3	1	72	3	8	Total ... ..					83	1	6½

## No. 1,651.—ST. HELEN'S AUCKLAND.

TOWNSHIP OF ST. HELEN'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. , Long.

*Strata passed through in sinking the No. 2 Staple in the Engine Pit, St. Helen's Colliery, commencing at the bottom of the Brockwell Seam. November, 1858.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Strong grey thill ...	0	0	11				Brought forward	11	1	8			
White post ...	1	5	1				Blue metal, with iron						
Blue metal ...	0	5	7				bands ...	1	0	0			
Grey metal stone, with													
post girdles ...	4	2	4				<b>COAL</b> ...	Ft. In.					
Whin stone ...	1	1	8					0	1½				
Grey metal, with post							Black band and						
girdles ...	1	5	0				coal inter-						
Black stone ...	0	0	3				mixed ...	1	0				
Seggar clay ...	0	4	10				<b>COAL</b> ...	1	0½				
								—	0	2	2		
											12	3	10
Carried forward	11	1	8				Carried forward				12	3	10

## No. 1,651.—ST. HELEN'S AUCKLAND.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				12	3	10	Brought forward	4	2	2	12	3	10
Band ... ..	0	0	2				Hard grey post ...	1	0	0			
Blue metal ... ..	2	1	0				<b>COAL</b> ... ..	0	1	5			
Hard blue stone ...	0	1	0								5	3	7
Post ... ..	0	3	0				Hard blue stone ...	2	4	3			
Iron band ... ..	0	0	3				Seggar clay ... ..	0	3	0			
Post ... ..	0	3	3				Hard grey post ...	1	0	0			
Iron band ... ..	0	0	2								4	1	3
Post ... ..	0	5	3										
Band ... ..	0	0	1										
Carried forward	4	2	2	12	3	10	Total ... ..				22	2	8

## No. 1,652.—ST. HELEN'S AUCKLAND.

TOWNSHIP OF ST. HELEN'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 31' 29", Long. 1° 41' 56".

*Strata sunk through in the Emma Pit, St. Helen's Colliery. October, 1831.*

Approximate surface level 365 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brown soil ... ..	0	0	8				Brought forward	6	5	6	11	1	1
Brown clay ... ..	0	5	0				<b>COAL</b> ... ..	0	0	2			
Sand ... ..	0	0	2				Thill ... ..	0	4	0			
Brown broken post ...	1	0	3				Grey post ... ..	0	5	5			
Grey metal stone ...	0	3	6				Whin ... ..	0	0	6			
Black stone, with clay	0	1	0				Strong grey metal,						
Grey metal stone ...	2	1	5				with ironstone ...	0	1	11			
Grey post, with metal							Grey metal post, with						
partings and whin..	1	5	5				metal partings ...	0	5	6			
Grey metal ... ..							Black stone ... ..	0	0	2			
Black stone ... ..	0	1	8				Strong grey post, with						
<b>COAL</b> ... ..	0	0	6				water ... ..	1	0	9			
				7	5	6	Strong grey metal ...	2	0	2			
Strong grey metal							Strong grey post ...	0	1	2			
stone ... ..	1	1	2				Black stone ... ..	0	1	6			
White post, with metal							Grey metal ... ..	0	2	8			
partings ... ..	0	5	8				<i>Yard Coal or Harvey</i>						
Grey metal stone ...	0	5	1				<i>Seam—</i>						
<b>COAL</b> ... ..	0	1	8				<b>COAL</b> , top,						
				3	1	7	coarse and Ft. In.						
Grey metal, with iron-							splinty ... ..	0	4				
stone balls ... ..	0	4	6				Danty part-						
Strong white post and							ing.						
water ... ..	0	5	5				<b>COAL</b> , good	3	0				
Whin ... ..	0	1	3				Black swad	0	0½				
White post ... ..	0	4	2				<b>COAL</b> , bot-						
Dark grey metal ...	3	0	3				tom, tender	0	4½				
Black stone ... ..	1	1	11								0	3	9
Carried forward	6	5	6	11	1	1	Total ... ..				14	3	2
											*25	4	3

\* Approximate sea level 211 feet below this.

## No. 1,653.—ST. HELEN'S AUCKLAND.

TOWNSHIP OF ST. HELEN'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 38' 28", Long. 1° 42' 24".

*An Account of Strata passed through in sinking the Catherine Pit, St. Helen's Colliery.  
Commenced March 26th, 1835.*

Approximate surface level 390 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brown soil ...	...	0	0	11			Brought forward	1	5	5	17	3	4
Sandy gravel ...	...	0	0	6			White post, with shiv- ery partings ...	4	1	7			
Brown clay ...	...	1	0	8			Shivery post, with <i>coal</i> <i>pipes</i> ...	0	4	6			
Blue metal, with pieces of ironstone ...	...	0	4	7			<b>COAL</b> ...	Ft. In. 0 6					
Broken brown post ...	...	0	3	2			Stone band ...	0	10				
Dark grey metal ...	...	0	5	5			<b>COAL</b> ...	1	3				
<b>COAL</b> ...	Ft. In. 0 6							0	2	7			
Soft grey metal ...	0 7										7	2	1
<b>COAL</b> ...	0 5												
		0	1	6			Grey thill ...	0	5	6			
					3	4	9	Shivery parting ...	0	0	1		
Grey metal, with post girdles ...	...	1	1	3			Grey thill ...	0	3	2			
Strong grey post ...	...	0	1	4			Dark grey metal ...	1	0	11			
Grey metal, with balls of ironstone ...	...	2	3	2			Black stone ...	0	0	7			
Dark grey metal, with beds of ironstone 4 or 5 inches thick	...	2	1	9			Strong grey metal ...	0	1	0			
Strong black stone (plates) ...	...	1	0	6			<b>COAL</b> ...	0	0	6			
<b>COAL</b> ...	...	0	0	5							2	5	9
					7	2	5	Strong grey thill ...	0	2	6		
Strong grey thill ...	...	0	1	2			<b>COAL</b> ...	0	0	7			
Strong grey metal, mixed with post ...	...	0	4	8							0	3	1
Jointy grey metal ...	...	0	5	6			Strong grey thill ...	0	4	6			
Black stone, with <i>coal</i> <i>parting</i> at bottom	...	0	1	8			Strong grey metal, with ironstone balls	1	1	2			
Blue metal ...	...	1	0	3			Strong blue metal ...	3	0	10			
Strong white post ...	...	0	3	5			Blue stone ...	0	3	8			
Strong grey post ...	...	0	3	9			Strong grey metal, with ironstone gir- dles ...	0	4	8			
Grey metal stone ...	...	0	4	9			Strong grey metal, with post and whin girdles ...	3	2	0			
Black stone ...	...	0	1	11			Strong white post ...	2	1	2			
Grey metal stone ...	...	0	0	10			<b>COAL</b> ...	0	2	0			
<i>Yard Coal or Harvey Seam—</i>	Ft. In. 3 0										12	2	0
<b>COAL</b> , good	3 0						Thill ...	0	2	0			
<b>COAL</b> , bot- tom ...	1 3						Grey metal, mixed with post ...	0	1	9			
		0	4	3			White post ...	0	5	9			
					6	2	2	Post girdles, with met- al partings ...	1	3	9		
Grey thill ...	...	0	1	0			Strong white post ...	1	2	1			
White post ...	...	1	4	2			Blue metal parting.						
Grey metal parting ...	...	0	0	3			Grey post ...	0	0	9			
							<b>COAL</b> ...	0	0	5			
											4	4	6
Carried forward	1	5	5	17	3	4	Carried forward				45	2	9





## No. 1,654.—ST. HELEN'S AUCKLAND.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				27	0	10	Brought forward				43	1	2
Grey metal ...	0	0	4				Grey metal stone ...	1	4	4			
Grey metal, with post girdles ...	4	3	6				Strong white post, mixed with whin near the top ...	1	1	0			
Dark metal, mixed with coal ...	0	0	6				Grey metal, with thin girdles ...	4	5	2			
Grey metal stone, with post girdles ...	4	5	0				Black stone ...	0	1	3			
White post ...	2	2	5				<b>COAL</b> ...	0	0	5			
Dark metal ...	0	3	3				Grey metal stone ...	0	2	0			
Grey post ...	0	1	3				Grey post ...	0	3	6			
Whin ...	0	1	0				Grey metal stone {	1	1	2			
Grey metal, with hard girdles ..	2	5	4					1	4	10			*
<b>COAL</b> ...	0	8					Grey post ...	0	3	6			
Grey metal band 0 2							Grey metal ...	0	3	2			
<b>COAL</b> , slaty 0 11							Black metal ...	0	0	3			
	0	1	9				<b>COAL</b> , brassy the first 2 feet...	0	3	10			
				16	0	4					13	4	5
Carried forward							Into grey metal ...				0	0	5
				43	1	2	Total ...				57	0	0

N.B.—The above was a running hole and could not be got any further.

\* Approximate sea level (Ordnance datum).

## No. 1,655.—ST. HELEN'S AUCKLAND.

TOWNSHIP OF ST. HELEN'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.  $54^{\circ} 37' 59''$ , Long.  $1^{\circ} 41' 41''$ .

*Account of Boring in the Second Hole in St. Helen's, about 280 yards South from the First Hole. July 28th, 1847.*

Approximate surface level 330 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	2	6				Brought forward	6	3	9			
Sand, with water at bottom ...	0	2	6				Brown sand ...	2	1	0			
Brown sand ...	1	1	0				Stony and leafy clay	3	5	0			
Loamy sand ...	1	3	0				Into brown post ...	1	1	0			
Leafy clay ...	3	0	9								13	4	9
Carried forward	6	3	9				Total ...				*13	4	9

N.B.—This hole was lost; the pipes closed.

\* Approximate sea level  $247\frac{1}{4}$  feet below this.

## No. 1,656.—ST. HELEN'S AUCLAND.

TOWNSHIP OF ST. HELEN'S AUCLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 37' 59", Long. 1° 41' 41".

*Account of the Third Hole in St. Helen's, about 4 feet South from the Second Hole that was lost.*

Approximate surface level 330 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil clay, the same as in the second hole				12	3	9	Brought forward	4	2	3	26	3	4
Brown and grey post, set away the water at the bottom ...	6	1	4				Grey metal stone ...	3	2	0			
<b>COAL</b> ...	0	2	1				White post, with metal partings ...	1	2	4			
Grey metal ...	2	0	6				Whin ...	0	1	10			
Black metal ...	0	0	6				White post ...	2	5	0			
<b>COAL</b> ...	0	0	8				Grey metal ...	1	0	4			
Grey metal stone ...	4	3	3				<b>COAL, tender</b> ...	0	2	1			
<b>COAL, tender, with water (supposed Yard Seam)</b> ...	0	3	3								13	3	10
				13	5	7	Dark metal ...	0	3	6			
Black metal ...	0	0	5				Grey metal stone ...	0	4	0			
Grey metal stone, with post girdles ...	1	3	4				White post ...	0	2	3			
Black stone, with girdles ...	0	5	6				Grey metal stone, with post girdles ...	2	3	0			
Blue metal ...	1	5	0				Dark metal, mixed with coal ...	0	0	9			
							Grey metal ...	1	0	0			
Carried forward	4	2	3	26	3	4	Metal stone ...	0	2	4			
							Into white post ...	5	4	0			
											11	1	10
							Total ...				*51	3	0

N.B.—This hole was lost; the boxes gave way.

\* Approximate sea level 21 feet below this.

## No. 1,657.—ST. HELEN'S AUCLAND.

TOWNSHIP OF ST. HELEN'S AUCLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 37' 51", Long. 1° 41' 41".

*Account of Boring in the Fourth Hole in St. Helen's Estate, about 12 yards North from the River Gaunless and 231 yards South from the Second Hole. November 2nd, 1847.*

Approximate surface level 320 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sandy soil ...	0	3	0				Brought forward	2	3	0			
Gravel, with water ...	0	4	4				Leafy clay ...	3	2	2			
Brown sand ...	1	1	8				Sand ...	0	2	0			
Carried forward	2	3	0				Carried forward	6	1	2			

## No. 1,657.—ST. HELEN'S AUCKLAND.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	6	1	2				Brought forward	2	0	10	18	1	0
Stony clay ... ..	0	3	0				COAL ... ..	0	0	7			
Sand ... ..	1	1	4				Grey metal stone, with						
Stony clay ... ..	2	2	0				post girdles ... ..	5	0	1			
Brown post, with soft							COAL, tender the						
partings ... ..	7	3	2				first 9 inches ... ..	0	3	5			
COAL, water rose to											7	4	11
the top ... ..	0	2	4				Black metal ... ..	0	0	5			
				18	1	0	Grey metal stone, with						
Grey metal, with post							post girdles ... ..	1	2	4			
girdles ... ..	2	0	4				Into black stone ... ..	0	1	4			
Black metal ... ..	0	0	6								1	4	1
Carried forward	2	0	10	18	1	0	Total ... ..				*27	4	0

The above is a very clean hole.

\* Approximate sea level 154 feet below this.

## No. 1,658.—ST. HELEN'S AUCKLAND.

TOWNSHIP OF ST. HELEN'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.  $54^{\circ} 37' 44''$ , Long.  $1^{\circ} 41' 41''$ .

*Account of Boring in the Fifth Hole in St. Helen's, about 233 yards South of the Fourth, and on the South side of the Gaunless. Commenced Dec. 7th, 1847; finished Dec. 17th, 1847.*

Approximate surface level 330 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	1	0				Brought forward				13	3	7
Brown sandy soil ... ..	0	3	0				Grey metal stone, with						
Gravel, with water ... ..	1	1	4				post girdles ... ..	7	3	8			
Sand ... ..	1	2	4				COAL, very soft ... ..	0	3	5			
Leafy clay ... ..	0	2	0								8	1	1
Stony clay ... ..	2	1	1				Into black metal ... ..				0	0	4
Grey and brown post	7	2	7										
COAL ... ..	0	2	3										
				13	3	7							
Carried forward	13	3	7				Total ... ..				*21	5	0

\* Approximate sea level 199 feet below this.



## No. 1,659.—ST. HELEN'S AUCKLAND.

TOWNSHIP OF ST. HELEN'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. \_\_\_\_\_, Long. \_\_\_\_\_

*Strata bored through in the St. Helen's Auckland Colliery Royalty, at about 170 yards to the South of the Green Lane, and adjoining the East Boundary, in the year 1857.*

Approximate surface level \_\_\_\_\_ feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sand and loam ...	0	4	8				Brought forward	11	4	8			
Blue clay, mixed with gravel ...	8	0	4				Brown metal...	0	2	4			
Brown metal ...	0	5	3				Grey post ...	0	2	10			
Grey post ...	0	1	1				Grey metal ...	0	5	3			
Brown metal ...	0	3	2				Blue metal ...	3	0	9			
Brown metal, with post girdles ...	0	4	4				<b>COAL</b> , including splint— <i>Main Coal</i>						
Grey post ...	0	3	10				Seam ...	1	1	0			
Carried forward	11	4	8								17	4	10
											17	4	10

## No. 1,660.—ST. LAWRENCE.

TOWNSHIP OF ALL SAINTS, NEWCASTLE.

Sheet 97 of Ordnance Map. Lat. 54° 58' 14", Long. 1° 34' 49".

*Section of Strata sunk through at the St. Lawrence or Mushroom Colliery, near Newcastle-on-Tyne. Begun December 3rd, 1832; finished July 23rd, 1833.*

Approximate surface level 84 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward				9	2	6
Clay, mixed with gravel	1	4	0				Soft metal stone ...	4	1	6			
Blue clay, with sandy partings ...	2	1	0				<b>COAL</b> ...	0	0	6			
Sand ...	0	5	0								4	2	0
Blue clay ...	0	1	6				Soft thill ...	{	0	1	6		*
Sand, mixed with gravel	0	2	0								0	0	6
Blue clay, with gravel	2	0	0				Broken post ...		2	2	6		
Sand, mixed with free-stone ...	2	0	0				Blue stone ...		0	5	0		
							<b>COAL</b> ...		0	0	3		
Carried forward				9	2	6					3	3	9
							Grey metal ...		1	0	0		
							Grey metal and post girdles ...		1	3	0		
							Carried forward	2	3	0	17	2	3

\* Approximate sea level (Ordnance datum).



## No. 1,660.—ST. LAWRENCE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				79	3	2½	Brought forward				104	1	6½
Grey metal and whin							Blue metal stone, with						
girdles ...	2	1	0				hard girdles ...	1	3	9			
Blue stone ...	1	2	0				Blue metal, with <i>coal</i>						
Black stone ...	0	0	4				<i>partings</i> ...	1	1	4			
<i>Five-Quarter Seam—</i>							White post, with part-						
	Ft.	In.					ings ...	1	1	11			
COAL ...	1	6					White post ...	1	1	3			
Splint ...	0	4					Blue and black stone	1	4	2			
COAL ...	0	4					Very hard white post	0	4	3			
Stone ...	0	5					Grey metal stone, with						
COAL ...	0	5					post girdles ...	0	3	5			
Stone ...	0	3					Black stone ...	0	0	2			
COAL ...	0	1½					COAL ...	0	1	4			
				0	3	4½					8	3	7
				4	0	8½	Grey metal stone ...	0	3	9			
Grey and blue metal	0	5	0				White post ...	0	2	6			
Grey whin girdles ...	0	1	0				Blue grey metal stone	1	3	8			
Grey metal ...	0	1	6				White post ...	0	4	0			
Black stone ...	0	1	6				White and grey post,						
Post ...	0	5	8				with metal partings	3	1	7			
Grey metal ...	0	1	3				COAL ...	0	0	3			
Post, mixed with whin	0	5	0								6	3	9
Blue and grey metal	0	1	0				Grey metal stone, very						
Post ...	0	4	0				soft ...	0	2	8			
Blue stone and iron							White post ...	0	3	3			
girdles ...	2	1	3				COAL, foul, and						
Black stone ...	0	0	6				black stone ...	0	0	9			
<i>Low Main Seam—</i>											1	0	8
	Ft.	In.					Grey post, with metal						
COAL ...	2	7½					partings ...	2	1	6			
Band ...	0	2					White post ...	0	2	0			
COAL ...	2	3					Grey metal stone and						
				0	5	0½	post girdles ...	2	3	3			
				7	2	8½	Strong post ...	2	2	4			
				91	0	7½	COAL, inferior ...	0	1	2			
											7	4	3
<i>Bored from the Low</i>							Grey metal thill ...	0	1	2			
<i>Main Seam, 1840:—</i>							White post ...	0	1	10			
Bottom coal and thill	0	5	0				Blue metal stone ...	0	1	10			
Strong white post ...	3	5	2				White post, with me-						
Blue metal, with iron-							tal partings ...	0	3	8			
stone girdles ...	1	0	5				Grey metal stone, with						
Grey metal stone, with							post girdles ...	2	0	6			
post girdles ...	0	4	3				Strong white post,						
White post, with meta-							with partings ...	1	2	0			
partings ...	1	0	1				Brown post, mixed						
Blue metal, with hard							with whin ...	2	0	6			
girdles ...	1	0	0				Grey metal stone ...	1	0	8			
Strong white post,							Post ...	0	1	6			
mixed with whin ...	0	5	6				Soft grey thill ...	0	1	10			
Soft blue metal stone	0	1	11				Into strong grey post	0	2	1			
Grey metal, with hard											8	5	7
girdles ...	2	2	0										
Strong white post ...	0	0	6										
Grey metal stone, with													
hard girdles ...	0	5	11										
COAL ...	0	0	2										
				13	0	11							
Carried forward				104	1	6½	Total ...				137	1	4½

## No. 1,661.—SALTWELLSIDE.

TOWNSHIP OF GATESHEAD (SOUTH WARD), DURHAM.

Sheet 6 of Ordnance Map. Lat.

Long.

*Bored from the Thill of the High Main Seam, in the Crown Pit, Saltwellside, by  
John Rawling. 1751.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Boxes ... ..				2	2	6							
<b>COAL</b> and slaty metal ... ..	0	2	0				Brought forward	1	0	3	11	3	3
Grey metal, with cat-heads ... ..	0	4	6				White post, with metal partings ... ..	1	2	9			
White and grey post, metal partings, with water near the bottom ... ..	1	2	0				Grey and blue metal stone, with whin girdles ... ..	1	0	0			
Blue and grey metal, girdles, and cat-heads ... ..	1	3	0				A black and blue metal parting and water ... ..	0	0	6			
Black and blue slaty metal, girdles, and water ... ..	1	0	0				Grey and blue metal stone, with post girdles ... ..	2	1	0			
Whin ... ..	0	0	6				Strong white and grey post, with water in places ... ..	10	5	0			
Grey metal stone, with strong girdles and water ... ..	3	5	0				Grey metal stone ... ..	1	0	0			
Black metal, scared with coal ... ..	0	0	6				Grey and black metal	0	2	3			
<b>COAL</b> ... ..	0	1	3				<b>COAL</b> ... ..	0	1	1			
Blue metal ... ..	0	0	9	9	0	9					18	0	10
Grey metal stone ... ..	0	5	6				Grey metal ... ..	0	3	0			
							Grey metal stone, with post girdles ... ..	1	0	0			
							White post ... ..	0	5	0			
							In strong white post	0	3	0			
											2	5	0
Carried forward	1	0	3	11	3	3	Total below the <i>High Main</i>	32	3	1			

## No. 1,662.—SALTWELLSIDE.

TOWNSHIP OF GATESHEAD (SOUTH WARD), DURHAM.

Sheet 6 of Ordnance Map. Lat.

, Long.

*Bored in Mr. Barras' Land for the use of the Lord of the Manor, for Messrs.  
Chapmans, by Andrew Wake. 1806.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Yellow clay ... ..	1	1	0				Brought forward	5	2	5			
Sand, with water ... ..	0	0	5				Strong stony brown clay ... ..	4	3	7			
Blue clay ... ..	4	1	0										
Carried forward	5	2	5				Carried forward	10	0	0			



## No. 1,662.—SALTWELLSIDE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	10	0	0			
Sand and gravel, with water ... ..	0	1	5			
Rambly brown post... ..	0	5	0			
Fine blue clay, with sand band and water	11	1	0			
Brown post, with <i>coal pipes</i> ... ..	0	4	0			
Brown post and water	1	0	0			
Grey post girdles ... ..	0	3	0			
<b>COAL</b> ... ..	0	0	8			
				24	3	1
Grey thill ... ..	0	1	9			
Blue grey metal ... ..	0	1	6			
Strong white post, with water ... ..	0	1	6			
Blue grey metal ... ..	0	1	4			
<b>COAL</b> ... ..	0	0	6			
				1	0	7
Grey thill ... ..	0	0	5			
Post girdles, with metal partings ... ..	0	1	7			
Grey post, with water	1	3	0			
Grey stone ... ..	0	2	4			
Black stone, with water	0	0	6			
Grey stone ... ..	0	2	6			
Grey post, with sulphur ... ..	2	0	0			
Whin ... ..	0	1	8			
Grey post ... ..	0	2	4			
Blue stone ... ..	0	0	6			
<b>COAL</b> , with sulphur	0	1	9			
				5	4	7
Grey thill ... ..	0	0	9			
Grey stone ... ..	0	3	0			
Whin ... ..	0	0	10			
Grey post, with water	0	3	3			
Whin ... ..	0	0	11			
White post, with water	0	0	9			
Whin ... ..	0	1	4			
Reddish brown stone	0	0	6			
White post, with water	0	2	0			
Grey stone ... ..	0	0	6			
Girdles ... ..	0	0	6			
Grey stone, with water	0	2	10			
Whin ... ..	0	0	6			
White post, with water	0	2	0			
Blue grey stone ... ..	0	3	9			
White post, with water	0	3	0			
Blue stone ... ..	0	2	0			
Whin, with water ... ..	0	0	6			
Blue stone ... ..	0	3	9			
Whin, with water ... ..	0	0	6			
Blue stone ... ..	0	4	0			
Carried forward	6	1	2	31	2	3

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	6	1	2	31	2	3
Black stone, the water goes away ... ..	0	3	0			
Grey metal ... ..	0	1	5			
Post girdles ... ..	0	0	4			
<b>COAL</b> ... ..	0	0	9			
				7	0	8
Grey metal ... ..	0	3	0			
Grey stone ... ..	1	1	0			
Grey post ... ..	0	2	0			
White post ... ..	2	0	0			
Whin ... ..	0	2	0			
White post ... ..	0	0	11			
Black parting ... ..	0	0	4			
White post girdles, with water ... ..	0	3	6			
Whin, with water ... ..	0	0	5			
White post girdles, with metal partings	0	2	0			
Strong white post, with whin and water ...	0	5	0			
Whin ... ..	0	0	5			
Strong white post girdles, with metal partings and water	0	4	7			
White post ... ..	0	2	0			
White post girdles, with metal partings	0	1	6			
White post, with whin and sulphur ... ..	0	2	4			
Blue stone ... ..	0	1	8			
Grey post, with sulphur	0	2	6			
Grey stone, with sulphur ... ..	0	2	0			

*Beaumont Seam*—

	Ft.	In.			
COAL, with much sulphur that blew up to the surface	2	8			
Grey stone, with water	1	4			
COAL ...	1	8			
	—		0	5	8
			—		
				10	0 10
Grey thill, with much sulphur that blew up to the surface ...	0	0	8		
Blue grey stone ...	0	2	2		
	—				
				0	2 10

Carried forward

Total ... ..

*Beaumont Seam*, found in Norwood at the depth of 37 fms. 2 ft. 4 in., the same seam which is called *Harvey's Main Coal* or *Whickham Stone Coal*.

NOTE.—“Sulphur,” as used in this section and the next, means *gas*.



## No. 1,663.—SALTWELLSIDE,

TOWNSHIP OF GATESHEAD (SOUTH WARD), DURHAM.

Sheet 6 of Ordnance Map. Lat. \_\_\_\_\_

Long. \_\_\_\_\_

*Bored in the Sinking Pit at Saltwellside, near Garden, from the Low Main Seam.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk ... ..	0	0	9				Brought forward	0	1	6	8	3	0
Box ... ..	0	0	9				Grey metal, with post						
Blue metal ... ..	0	3	0				girdles and water or						
Strong white post ... ..	2	0	0				sulphur ... ..	6	0	3			
Blue metal ... ..	0	0	10				Strong white post,						
Grey metal ... ..	0	4	6				with mixture of						
Coal pipe ... ..	0	0	3				whin girdles and						
Dark grey metal ... ..	0	4	9				scamy partings, and						
Grey post, with water	1	0	6				with water which						
Grey metal ... ..	0	2	0				was salt ... ..	8	5	0			
White post ... ..	0	5	3				Grey metal stone ... ..	0	5	9			
Grey metal ... ..	0	2	6				Strong white post ... ..	0	3	0			
Grey post ... ..	0	5	6				<i>Beaumont Seam—</i>						
Black stone ... ..	0	1	0										
<b>COAL</b> ... ..	0	1	5				<b>COAL</b> ... ..	2	1				
				8	3	0	Grey metal						
Blue metal, scared							band ... ..	1	0				
with coal ... ..	0	1	6				<b>COAL</b> ... ..	0	11				
										0	4	0	
											17	1	6
Carried forward	0	1	6	8	3	0	Total below the <i>Low Main</i>				25	4	6

## No. 1,664.—SALTWELLSIDE.

TOWNSHIP OF GATESHEAD (SOUTH WARD), DURHAM.

Sheet 6 of Ordnance Map. Lat. \_\_\_\_\_

, Long. \_\_\_\_\_

*Account of Boring 45 yards Dip of the Water Level, near the West Boundary End.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ... ..	1	4	0				Brought forward	1	4	10	2	0	6
Plate ... ..	0	1	0				White grey post ... ..	0	5	0			
							Soft brown freestone	0	2	0			
<b>COAL</b> , foul... ..	0	6					White freestone ... ..	3	4	9			
<b>COAL</b> , good ... ..	1	0					Plate ... ..	0	1	3			
				0	1	6	<b>COAL</b> ... ..	0	4	2			
						2					7	4	0
Strong grey beds ... ..	1	4	0										
Hard stone post ... ..	0	0	4										
Grey beds ... ..	0	0	6										
Carried forward	1	4	10	2	0	6	Total ... ..				9	4	6

## No. 1,665.—SALTWELLSIDE.

TOWNSHIP OF GATESHEAD (SOUTH WARD), DURHAM.

Sheet 6 of Ordnance Map.            Lat.           , Long.           .*Account of Boring 70 yards Dip of the Water Level West End, at Saltwellside.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...	1	2	6				Brought forward	4	1	4			
White freestone ...	0	2	9				Ironstone ...	0	0	2			
Grey beds ...	0	1	1				Plate ...	0	0	7			
Soft parting ...	0	0	2										
White stone post ...	1	3	11				<b>COAL</b> , foul...      Ft. In.	0	5				
Grey beds ...	0	1	6				<b>COAL</b> , good      1   0						
White beds ...	0	0	9					0	1	5			
Grey beds ...	0	0	8								4	3	6
Carried forward	4	1	4				Total ...				4	3	6

## No. 1,666.—SALTWELLSIDE.

TOWNSHIP OF GATESHEAD (SOUTH WARD), DURHAM.

Sheet 6 of Ordnance Map.            Lat.           , Long.           .*Account of Boring 90 yards Dip of the Water Level West End.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...	1	4	6			
Plate, with ironstone in it ...	1	1	6			
<b>COAL</b> ...	0	0	1*			
White stone ...	0	3	6			
Grey beds ...	0	0	7			
<b>COAL</b> , good ...	0	0	3*			
				3	4	5
Total ...				3	4	5

\* Found in New Pit.

## No. 1,667.—SALTWICK.

TOWNSHIP OF SALTWICK, NORTHUMBERLAND.

Sheet 71 of Ordnance Map. Lat. , Long.*Boring at Saltwick, about 60 yards to the Outburst of Coal, near the Town.  
July 11th, 1763.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and brown clay ... ..	...	...	...	0	4	0
Strong dun stone, mixed with whin ... ..	...	0	1	6		
Blue and grey metal, with girdles and lumps ... ..	...	3	5	6		
White post ... ..	...	0	5	6		
In white metal ... ..	...	0	2	0		
					6	0 6
Total ... ..	..				6	0 6

## No. 1,668.—SALTWICK.

TOWNSHIP OF SALTWICK, NORTHUMBERLAND.

Sheet 71 of Ordnance Map. Lat. 55° 7' 3", Long. 1° 43' 45".*Another Boring at Saltwick, on the Moor North from the Town, about 430 yards  
South from the Herd's House. September, 1763.*

Approximate surface level 304 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and stony clay ...	1	0	0				Brought forward	2	4	0	8	2	1
Channel and sand, with water ...	0	1	6				Black grey metal stone, scared with coal at bottom ...	0	2	6			
Stony clay ...	3	4	6										
Brown post, with wa- ter which rose to the top ...	3	0	0				<b>COAL</b> , with brassy scare bands ...	0	9				
Blue scamy metal ...	0	1	8				Black grey me- tal ...	0	5				
<b>COAL</b> ...	0	0	5				<b>COAL</b> ...	0	2				
				8	2	1				0	1	4	
White and grey metal	1	1	0								3	1	10
White and grey post, with a soft sandy parting and water	1	3	0										
Carried forward	2	4	0	8	2	1	Carried forward				11	3	11

## No. 1,668.—SALTWICK.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				11	3	11	Brought forward				22	1	11
White and grey post, with water near the top, and black scares near the bottom ...	2	5	0				<i>Bored further, Sept. 19th :—</i>						
Blue grey metal stone	2	5	1				White, grey, and green post ...	1	1	0			
	0	0	11			*	Black grey metal stone	1	0	6			
Grey and white post	0	3	9				White and grey post girdles and metal partings ...	1	5	0			
Blue metal stone, with grey post girdles ...	3	4	6				Grey metal stone ...	0	1	6			
Whin ...	0	0	9				Grey, green, and brown scamy metal ...	0	1	0			
In white, grey, and green post ...	0	2	0				Grey metal stone ...	0	3	0			
				10	4	0	Grey post ...	0	3	6			
							Black grey scamy stone ...	1	1	9			
Carried forward				22	1	11					6	5	3
							Total ...				29	1	2

\* Approximate sea level (Ordnance datum).

## No. 1,669.—SALTWICK.

TOWNSHIP OF SALTWICK, NORTHUMBERLAND.

Sheet 71 of Ordnance Map. Lat. 55° 7' 17", Long. 1° 43' 45".

*Account of the Boring about 900 yards North from Saltwick, near Ogle. September 30th, 1825.*

Approximate surface level 205 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	0	9				Brought forward	5	0	3	4	1	9
Strong brown stony clay ...	0	5	6				Grey metal ...	0	0	8			
White and brown post, with water ...	3	0	0										
COAL ...	0	1	6				COAL ...	0	4				
				4	1	9	COAL, foul... ..	0	2				
Grey metal and metal stone, with post gir- dles ...	1	0	0								0	0	10
White and grey post, with metal partings	1	1	3				Grey metal and dark metal stone, with post girdles ...	1	0	3			
Brown and white post, with partings ...	2	5	0				COAL, foul... ..	0	0	4			
											6	2	4
Carried forward	5	0	3	4	1	9	Grey metal ...	0	0	3			
							White post ...	3	0	8			
							Carried forward	3	0	11	10	4	1

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## No. 1,669.—SALTWICK.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	0	11	10	4	1	Brought forward	1	0	3	28	3	9
Grey metal stone ...	3	4	0				Grey metal and metal stone, with	4	3	0			*
Dark metal, scared with coal ...	0	0	6				thin girdles	0	0	4			
Grey metal and metal stone ...	1	0	7				White post ...	0	5	0			
White post, with water	0	4	0				White post, mixed with whin ...	0	0	10			
Grey metal stone ...	1	4	9				White post ...	2	4	10			
White post ...	0	2	8				Grey metal ...	0	4	0			
Grey metal stone, with water ...	5	3	0				Strong grey metal stone, inclining to post, with water ...	1	2	0			
Grey whin (got Oct. 12th, through on 15th) ...	0	1	2				Grey metal ...	0	1	2			
Grey metal and metal stone ...	1	1	8				Whin (got Nov. 22nd, through on 25th)...	0	0	5			
<b>COAL</b> , foul, and metal stone ...	0	0	5				Metal stone, with post girdles ...	2	3	0			
				17	5	8	White grey post ...	0	5	8			
Grey metal stone, with water ...	1	0	3				Grey metal stone, dark near the bottom ...	1	2	0			
											16	2	6
Carried forward	1	0	3	28	3	9	Total ...				45	0	3

\* Approximate sea level (Ordnance datum).

## No. 1,670.—SCREMERSTON.

TOWNSHIP OF SCREMERSTON, NORTHUMBERLAND.

Sheet 7 of Ordnance Map. Lat. , Long.

*Section of Strata sunk through to the Main Coal Seam, in the Jack Tar Pit, Scremerston Colliery.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward				11	3	2
Clay ...	0	3	0				White freestone ...	1	1	4			
Soft brown freestone	0	3	10				Blue metal, mixed with freestone bands ...	0	5	1			
Blue metal ...	1	4	8				<b>COAL</b> ...	0	0	2			
Limestone— <i>Woodend</i>	1	1	0								2	0	7
Blue metal ...	2	2	0				Soft grey freestone ...	0	3	3			
<b>COAL</b> ...	0	0	6				Freestone bands ...	3	2	4			
				6	4	0	Hard-tills ...	3	3	0			
White metal ...	1	2	0				Limestone— <i>Dunn</i> ...	1	1	0			
White freestone ...	0	4	0				<b>COAL</b> (found generally below <i>Dunn</i> stone throughout the district) ...	0	1	2			
Blue metal ...	0	1	6								8	4	9
<b>COAL</b> ...	0	0	6				Grey metal ...	0	4	4			
				2	2	0	Hard freestone ...	1	2	2			
White freestone bands	1	1	0				Grey metal ...	0	3	0			
Tills ...	0	4	6										
Freestone bands ...	0	2	0				Carried forward	2	3	6	22	2	6
<b>COAL</b> — <i>Biteabout Seam</i> ...	0	1	8										
				2	3	2							
Carried forward				11	3	2							



## No. 1,670.—SCREMERSTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	3	6	22	2	6
Freestone, mixed with tills ...	5	5	0			
Soft white freestone (quarry in it, on sea- coast) ...	13	5	6			
<b>COAL</b> — <i>Robie's Coal</i>	0	1	5			
				22	3	5
Black metal, mixed with freestone bands	3	0	0			
Light blue metal ...	2	0	9			
Hard blue metal ...	2	3	10			
Hard white freestone beds (Richardson Stead's quarry in these) ...	3	0	0			
Blue metal ...	1	0	0			
Bastard blue metal ...	1	1	2			
<b>COAL</b> — <i>Top of Cald- side Seam</i> ...	0	0	8			
				13	0	5
Dark brown metal ...	0	1	4			
Hard freestone ...	0	0	11			
Blue metal ...	0	1	9			
Hard white freestone	0	3	0			
Blue metal ...	0	1	6			
Hard white freestone band ...	0	0	8			
Blue metal ...	0	5	6			
<b>COAL</b> — <i>Bottom of Caldside Seam</i> ...	0	0	3			
				2	2	11
Soft light blue metal	1	4	2			
Hard freestone band..	0	0	5			
Soft light blue metal	0	0	7			
Hard brown stone ...	0	2	2			
Hard blue metal ...	0	2	3			
Soft blue metal ...	0	2	1			
Hard flinty girdles ...	0	1	9			
Soft light blue metal	0	3	1			
Dark blue metal ...	1	3	1			
Soft blue metal ...	0	1	9			
Red freestone ...	2	2	7			
Soft blue metal ...	0	0	11			
<b>COAL</b> ...	0	0	2			
				8	1	0
Dark grey whin ...	0	0	3½			
Soft blue metal ...	2	1	8			
Soft light blue metal	2	2	1½			
Limestone ...	0	1	2			
<b>COAL</b> , splinty ...	0	0	4			
				4	5	7
Soft light blue metal	0	4	11			
Hard white freestone	0	3	8			
Soft blue metal ...	0	3	2			
Black metal and scares of coal ...	0	1	8			
Blue metal ...	0	1	2			
Dark grey freestone..	1	2	1			
Carried forward	3	4	8	73	3	10

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	4	8	73	3	10
Hard dark blue metal	3	2	8			
<b>COAL</b> ...	0	0	1			
				7	1	5
Black metal ...	0	0	2½			
Hard grey freestone...	1	1	8			
Dark blue metal ...	1	2	9			
<b>COAL</b> , coarse ...	0	0	6			
				2	5	1½
Dark blue metal, with half-inch ironstone band ...	0	2	0½			
<b>COAL</b> ...	Ft. In.					
Black dant ...	0	8				
<b>COAL</b> ...	0	11½				
Brown metal ...	0	8½				
<b>COAL</b> ...	1	1				
				0	3	8
Soft dark blue metal	0	1	2			
<b>COAL</b> ...	0	0	2			
				0	1	4
Soft dark blue metal	0	0	7			
Hard white freestone	1	0	5			
Soft dark blue metal	0	1	3			
Hard grey freestone..	0	3	6			
Dark blue metal ...	0	4	10			
<b>COAL</b> , splinty ...	0	0	3			
				2	4	10
Hard tills and metal	1	1	4			
<b>COAL</b> ...	0	0	2½			
				1	1	6½
Hard dark blue metal	0	2	4			
<b>COAL</b> ...	Ft. In.					
Dark blue metal	0	6				
<b>COAL</b> ...	0	5				
				0	1	3
				0	3	7
Hard tills ...	0	5	4			
Limestone ...	0	0	6			
Soft blue metal ...	0	2	2			
Hard freestone ...	0	0	5			
Soft blue metal ...	0	0	9			
Hard white freestone	1	4	3			
Blue metal ...	0	1	2			
Hard white freestone	0	3	3			
Dark blue metal ...	0	5	2			
<b>COAL</b> ...	Ft. In.					
Blue metal ...	0	6				
<b>COAL</b> ...	0	4				
				0	1	5
				5	0	5
Soft dark metal ...	0	0	9			
Hard white freestone	0	3	6			
Dark blue-metal ...	0	1	5			
<b>COAL</b> ...	0	0	7			
				1	0	3
Carried forward	95	4	0½			

## No. 1,670.—SCREMERSTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward				95	4	0½	Brought forward	0	2	10	106	5	0	
Soft light blue metal	0	1	7				COAL	Ft. In.						
Hard grey freestone...	0	3	3				COAL	0	3					
Dark blue metal	0	1	2				Soft blue metal	0	2					
COAL	0	0	4				COAL	0	3					
				1	0	4			0	0	8			
Dark blue metal	1	2	5				Hard dun metal	0	3	8		0	3	6
Red freestone	1	5	5											
White freestone	0	0	7				COAL	Ft. In.						
Soft dark blue metal	0	3	1				Black metal	0	1					
COAL	Ft. In.						COAL	0	3					
Soft dark blue metal	0	10							0	1	0			
COAL	1	1					Soft blue metal	1	1	0		0	4	8
COAL	0	5½					Hard freestone girdle	0	0	4				
			0	2	4½		<i>Scremerston Main</i>							
				4	1	10½	Coal—	Ft. In.						
Dark blue metal	0	4	8				COAL, coarse	0	7					
Dark red freestone	4	0	4				Limestone	1	2					
Light grey whin	0	1	0				COAL, top	2	10					
Dark brown limestone	0	0	8				Grey stone band	0	3					
Tills and metal	0	3	11				COAL, ground	1	3					
COAL	0	0	2						1	0	1			
				5	4	9					2	1	5	
Blue metal and dun post	0	2	10				Blue metal thill				0	4	2	
Carried forward	0	2	10	106	5	0	Total				111	0	9	

## No. 1,671.—SCREMERSTON.

TOWNSHIP OF SCREMERSTON, NORTHUMBERLAND.

Sheet 7 of Ordnance Map. Lat.

, Long.

*Section of Strata sunk and bored through between the Scremerston Main Coal and Bulman and Cowper-Eye Seams, in No. 16 Pit, on the Scremerston Main Coal sea level.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Depth to <i>Scremerston Main Coal</i>				32	0	0	Brought forward	0	1	2	33	3	11
White metal	0	2	6				Limestone	0	1	3			
Hard bastard freestone	0	1	3				Grey tills	0	3	6			
Strong blue metal	0	2	0				<i>Diamond Coal—</i>						
<i>Stony or Hardy Coal—</i>							COAL	Ft. In.					
COAL	Ft. In.						Fire clay band	0	8½				
Band	0	2					COAL	0	11½				
COAL	1	3					Soft white						
Band	1	1					metal	0	4½				
COAL	0	9					COAL	0	6				
			0	4	2		Blue metal	1	1				
				1	3	11	COAL	0	2				
Strong blue metal	0	1	0						0	4	9½		
Soft blue metal	0	0	2								1	4	8½
Carried forward	0	1	2	33	3	11	Carried forward				35	2	7½

## No. 1,671.—SCREMERSTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				35	2	7½
Dark blue metal ...	0	2	0			
Grey freestone band...	0	0	9			
Dark blue metal ...	0	3	7			
Grey freestone bands	0	3	5			
Strong grey tills ...	0	3	10			
<b>COAL</b> ...	0	0	1½			
				2	1	8½
Tills ...	0	2	6½			
Limestone ...	0	1	8			
<b>COAL</b> ...	0	0	2			
				0	4	4½
Soft blue metal ...	1	0	10			
<i>Cancer, Bulman, or</i>						
<i>Main Coal—</i>						
	Ft.	In.				
<b>COAL</b> ...	0	5				
Black metal...	0	5				
<b>COAL</b> , top..	1	1½				
Chalk stone...	0	0½				
<b>COAL</b> , splint	0	9				
<b>COAL</b> , band	0	3				
<b>COAL</b> , ground	2	0				
Black metal...	0	3				
Chalk stone...	0	1				
<b>COAL</b> , smithy	0	4				
				0	5	8
				2	0	6
Black metal ...	0	0	6			
Soft white metal ...	0	1	3			
Freestone band ...	0	1	4			
Blue metal ...	0	1	0			
Limestone ...	0	1	3			
Grey tills ...	0	3	0			
Freestone ...	5	0	6			
Freestone ...	0	4	0			
<b>COAL</b> ...	0	0	6			
				7	1	4
Limestone ...	0	2	5			
Blue metal ...	0	3	3			
Freestone bands ...	0	4	3½			
Metal ...	0	1	3½			
<b>COAL</b> ...	0	0	9			
				2	0	0
Freestone bands ...	0	2	3½			
Black metal ...	0	5	6			
Freestone ...	0	2	0			
Blue metal ...	0	5	0			
Limestone ...	0	2	3½			
Black metal ...	0	1	3			
<b>COAL</b> ...	0	0	6			
				3	0	10
Limestone ...	0	1	2½			
Metal ...	0	0	10			
Freestone ...	0	3	0½			
Metal ...	0	1	10			
Freestone bands ...	0	0	10			
<b>COAL</b> ...	0	0	6			
				1	2	3
Carried forward				54	1	7½

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				54	1	7½
Metal ...	2	1	5½			
<b>COAL</b> ...	0	0	8			
				2	2	1½
Freestone bands ...	0	0	7			
Freestone ...	1	5	4½			
Limestone ...	0	1	2½			
<b>COAL</b> ...	0	0	4			
				2	1	6
Freestone bands ...	0	0	10			
Metal ...	0	3	0½			
<b>COAL</b> ...	0	0	1½			
				0	4	0
Metal ...	0	1	3½			
Freestone ...	1	4	0			
Freestone bands ...	0	4	4½			
Metal ...	0	1	3			
Hard band ...	0	0	3			
Strong blue metal ...	1	3	0½			
<b>COAL</b> —¾ Coal ...	0	3	11			
				5	0	1½
Metal ...	0	1	7			
Bastard freestone ...	0	2	4½			
Tills ...	0	1	11			
Tills and band ...	0	1	9½			
<b>COAL</b> ...	0	0	2			
				1	1	10
Limestone ...	0	0	10			
Freestone band ...	0	1	8			
Metal ...	0	0	10			
<b>COAL</b> ...	0	0	5			
				0	3	9
Tills ...	0	0	9			
Freestone band ...	0	2	0			
Crackling post ...	0	0	9½			
Tills ...	0	0	10½			
Limestone ...	0	2	0			
<i>Cooper-Eye Coal—</i>						
	Ft.	In.				
<b>COAL</b> , top	1	5				
or splint ...	2	1				
Band stones	2	1				
<b>COAL</b> , ground	1	4				
				0	4	10
				1	5	3
Metal ...	0	3	7			
Limestone ...	0	1	6			
Tills ...	0	2	0			
Limestone, impure ...	0	3	0			
Grey and blue metals	0	3	8			
Freestone band ...	0	1	6			
Blue metal ...	1	1	4			
<b>COAL</b> ...	0	0	3			
				3	4	10
Grey metal ...	0	3	0			
Limestone ...	0	2	0			
Blue metal ...	0	1	0			
Freestone band ...	0	2	0			
<b>COAL</b> ...	0	0	9			
				1	2	9
Carried forward				73	3	9½

## No. 1,671.—SCREMERSTON.—CONTINUED.

Brought forward			Fs.	Ft.	In.	Fs.	Ft.	In.	Brought forward			Fs.	Ft.	In.	Fs.	Ft.	In.			
			73	3	9½							0	5	1	78	5	0½			
Freestone band	...	...	0	4	0				<i>Wester Coal—</i>	Ft.	In.									
Grey metal	...	...	0	4	0				COAL	...	0	6								
Metal	...	...	0	0	10				Blue metal	...	1	6								
COAL	...	...	0	0	6	1	3	4	COAL	...	0	7								
									Grey metal	...	0	8								
Slaty band	...	...	0	4	0				COAL	...	0	3								
Blue and grey metals	...	...	0	1	0				Black metal	...	0	8								
COAL	...	...	0	0	6	0	5	6	COAL	...	0	6								
									Black metal	...	0	6								
Limestone	...	...	0	0	4				COAL	...	0	6								
Blue, black, and grey	...	...	0	4	8							0	5	8						
metals	...	...	1	0	0										1	4	9			
Freestone	...	...	0	0	8				Blue metal	...	1	4	0							
Grey metal	...	...	0	0	6				Slaty stone	...	0	3	0							
Limestone	...	...	0	1	4				Limestone	...	0	1	6							
Metal	...	...	0	0	3	2	1	9	Blue tills	...	0	0	10							
COAL	...	...	0	2	4				COAL	...	0	0	6							
Freestone	...	...	0	0	4							2	3	10						
COAL	...	...	0	2	8															
Blue metal	...	...	0	3	1				Total	...	...	83	1	7½						
Limestone	...	...	0	1	6															
Grey metal	...	...	0	0	6															
Carried forward			0	5	1	78	5	0½												

## No. 1,672.—SCREMERSTON.

TOWNSHIP OF SCREMERSTON, NORTHUMBERLAND.

Sheet 7 of Ordnance Map. Lat.

, Long.

*Account of Strata from the surface to the Main Coal Seam in the Engine Pit,  
Scremerston Colliery, three miles S.S.E. of Berwick-on-Tweed.*

Approximate surface level feet above sea (Ordnance datum).

			Fs.	Ft.	In.	Fs.	Ft.	In.				Fs.	Ft.	In.	Fs.	Ft.	In.		
									Brought forward			5			2 7½				
Sunk through clay and			...	3	1	0				Grey bands and metal			2	1	8				
broken stone			...	0	4	0				Red sandstone			...	3	4	2			
Box			...	0	1	3½				White sandstone			...	3	1	5			
Blue metal			...	0	0	6				COAL			...	0	0	6			
Hard band			...	1	1	0										9 1 9			
Grey band			...	0	0	4													
Hard band			...	0	0	6													
COAL			...	0	0	6													
						5 2 7½													
Carried forward						5 2 7½						Carried forward			14 4 4½				



## No. 1,672.—SCREMERSTON.—CONTINUED.

Brought forward			Fs.	Ft.	In.	Fs.	Ft.	In.
			14	4	4½			
Blue metal ...	...	0	2	3				
Grey stone ...	...	0	4	3				
Thill or metal stone...	...	0	1	0				
<b>COAL</b> ...	...	0	1	0				
						1	2	6
Blue metal ...	...	0	3	0				
Grey stone ...	...	0	0	6				
Blue metal stone ...	...	0	3	0				
Red sandstone ...	...	1	5	6½				
White post stone ...	...	0	3	4				
Metal ...	...	0	4	8				
Grey stone ...	...	1	0	7				
Grey bands ...	...	0	1	0				
Metal ...	...	1	3	2½				
Grey stone ...	...	0	1	7				
<b>COAL</b> ...	...	0	0	4				
						7	2	9
Grey stone ...	...	0	4	8				
Hard band ...	...	0	0	5				
Blue metal ...	...	0	1	4				
<b>COAL</b> ...	...	0	1	2				
						1	1	7
Bandy metal ...	...	0	5	10				
Hard band ...	...	0	0	6				
Metal ...	...	0	3	7				
White stone ...	...	0	4	11				
Metal ...	...	0	1	6				
White stone ...	...	1	0	10				
Metal ...	...	0	2	10				
Grey band ...	...	0	0	2				
Metal ...	...	0	3	3				
<b>COAL</b> ...	...	0	1	8				
						5	1	1
Metal ...	...	0	2	3				
White post ...	...	1	1	2½				
Metal ...	...	0	0	6				
White post ...	...	2	1	5				
Metal ...	...	0	1	3				
Grey metal ...	...	0	2	9				
Metal ...	...	0	4	6				
<b>COAL</b> ...	...	0	0	6				
						5	2	4½
Metal ...	...	0	1	0				
Limestone ...	...	0	2	0				
<i>Scremerston Main</i>								
<i>Coal—</i>			Ft.	In.				
<b>COAL</b> , coarse	...	1	6					
Grey metal	...							
stone ...	...	0	6					
<b>COAL</b> , coarse	...	0	10					
Stone ...	...	0	2½					
Rough stone..	...	0	10½					
<b>COAL</b> ...	...	4	3					
						1	2	2
						1	5	2
Carried forward						37	1	10
<i>Brought forward</i>			Fs.	Ft.	In.	Fs.	Ft.	In.
						37	1	10
<i>Boring from Main</i>								
<i>Coal towards Cancer Coal:—</i>								
Blue metal ...	...	1	5	5				
Girdle ...	...	0	0	5				
Blue metal ...	...	0	3	4				
Girdle ...	...	0	0	6				
Blue metal parting ...	...	0	0	3				
Post girdle ...	...	0	0	11				
<i>Stony Coal—</i>								
			Ft.	In.				
<b>COAL</b> ...	...	2	3					
Band ...	...	0	6					
<b>COAL</b> ...	...	0	10					
						0	3	7
						3	2	5
Blue metal ...	...	0	1	6				
Girdle ...	...	0	0	4				
Parting ...	...	0	0	1				
Girdle ...	...	0	0	5				
Brown metal...	...	0	2	9				
<i>Diamond Coal—</i>								
			Ft.	In.				
<b>COAL</b> ...	...	0	5					
Brown metal	...	1	5					
<b>COAL</b> ...	...	0	7					
						0	2	5
						1	1	6
Brown metal...	...	0	1	9				
White freestone ...	...	1	1	0				
Red freestone ...	...	1	1	0				
White freestone ...	...	11	0	5				
Parting ...	...	0	0	3				
White freestone ...	...	0	1	0				
<b>COAL—Cancer Coal</b>	...	0	2	0				
						14	1	5
Grey metal ...	...	0	0	6				
Limestone ...	...	0	3	6				
Grey metal ...	...	0	4	8				
<b>COAL</b> ...	...	0	0	6				
						1	3	2
Grey metal ...	...	0	1	4				
White freestone ...	...	0	3	9				
Limestone ...	...	0	0	6				
White freestone ...	...	0	4	5				
Limestone ...	...	0	3	2				
						2	1	2
Total ...						59	5	6



## No. 1,673.—SCREMERSTON.

TOWNSHIP OF SCREMERSTON, NORTHUMBERLAND.

Sheet 7 of Ordnance Map. Lat. , Long.

*Bored and sunk in the Pit below the Main Coal Seam at Scremerston Colliery.  
December 3rd, 1831.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
To the <i>Main Coal</i>							Brought forward	1	4	9	35	0	0
<i>Seam</i> ...				30	0	0	Red freestone ...	1	1	0			
<i>Main Coal Seam</i> —							White freestone ...	11	0	5			
<b>COAL</b> , good	Ft.	In.					Parting ...	0	0	3			
Black slate ...	0	4					White freestone ...	0	1	0			
<b>COAL</b> , ground,							<b>COAL</b> ...	0	2	0			
coarse ...	1	0									14	3	5
				0	4	1	Grey metal ...	0	0	6			
							Limestone ...	0	3	6			
				0	4	1	Grey metal ...	0	4	8			
							<b>COAL</b> ...	0	0	6			
To thill of <i>Main Coal</i>				30	4	1					1	3	2
Sunk below ...				4	1	11	Grey metal ...	0	1	4			
							White freestone ...	0	3	9			
<i>Bored further</i> :—							Limestone ...	0	0	6			
Brown metal... ..	0	1	5				White freestone ...	0	4	5			
<b>COAL</b> ... ..	0	0	7				Limestone ...	0	3	2			
Brown metal... ..	0	1	9								2	1	2
White freestone ...	1	1	0										
Carried forward	1	4	9	35	0	0	Total ...				53	1	9

## No. 1,674.—SCREMERSTON.

TOWNSHIP OF SCREMERSTON, NORTHUMBERLAND.

Sheet 7 of Ordnance Map. Lat. , Long.

*A Section of the Mountain Limestone from about half a mile from Mrs. Johnson's House, near Scremerston Station, near Spittle. March 29th, 1854.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Blue limestone ...	3	3	0				Brought forward	11	0	10			
<b>COAL</b> ... ..	0	0	10				Beddy sandstone and						
Grey thill ... ..	0	5	0				metal ...	3	0	0			
Metal and freestone...	6	4	0				Hard band stone ...	0	2	0			
Carried forward	11	0	10				Carried forward	14	2	10			

## No. 1,674.—SCREMERSTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	14	2	10				Brought forward	80	5	10			
Beddy sandstone and blue metal ...	8	3	0				White sandstone ...	2	0	0			
Limestone ...	1	1	0				Metal ...	2	0	0			
Grey freestone ...	8	4	0				Limestone ...	1	0	0			
Limestone ...	4	0	0				Sandstone and metal	14	0	0			
Sandstone and blue metal ...	3	0	0				Limestone ...	2	0	0			
Limestone ...	0	4	0				Red freestone ...	3	3	0			
Dark sandstone ...	1	2	0				Grey metal and dark sandstone ...	35	0	0			
Beddy sandstone ...	3	2	0				Beddy metal and beddy sandstone ...	7	0	0			
Beddy metal and sandstone ...	10	0	0				Limestone, white ...	0	5	0			
Limestone ...	0	5	0				Beddy freestone and metals ...	4	3	0			
Beddy sandstone and metal ...	5	3	0				Metals and fine clay, alternate with freestone ...	14	0	0			
Limestone ...	1	2	0				Limestone ...	2	2	0			
Beddy freestone ...	5	3	0				White sandstone ...	2	0	0			
Limestone, dun ...	0	2	0				Beddy metal ...	6	0	0			
COAL ...	0	1	0				Dun limestone ...	0	5	0			
Grey thill stone ...	0	4	0				COAL ...	0	1	3			
Blue metal ...	3	0	0								178	1	1
Beddy sandstone and metal ...	8	3	0										
Carried forward	80	5	10				Total ...				178	1	1

## No. 1,675.—SEAHAM.

## TOWNSHIP OF SEAHAM, DURHAM.

Sheet 21 of Ordnance Map. Lat. , Long.

*Account of Strata bored through upon the Seaham Estate, belonging to the Marquis of Londonderry.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	58	3	6	9	0	0
Strong clay ...	8	5	0				Strong brown limestone, with thin panels and water ...	0	3	0			
				9	0	0	Sandstone ...	1	2	4			
Soft marl ...	1	0	0				Grey metal ...	1	1	6			
Strong brown limestone, with marly parting ...	8	0	0				Red metal ...	0	2	5			
Strong brown limestone, with marly parting ...	20	0	0				Strong post, mixed with whin ...	0	3	2			
Strong brown limestone, with water ...	14	4	0				Grey metal, with post girdles ...	0	4	1			
Sandy brown limestone, with marly parting ...	14	5	6								63	2	0
Carried forward	58	3	6	9	0	0	Into dark metal, with post girdles.						
							Total ...				72	2	0

## No. 1,676.—SEAHAM.

TOWNSHIP OF SEAHAM, DURHAM.

Sheet 21 of Ordnance Map. Lat.  $54^{\circ} 50' 15''$ , Long.  $1^{\circ} 19' 34''$ .*Account of a Boring at Seaham Harbour, between the South and North Docks, in the Inner Harbour. October 14th, 1834.*

Approximate surface level 10 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Strong brown lime- {	1	4	0					Brought forward	32	3	0		
stone ... {	0	5	0	*			Marly limestone, with						
Marly limestone ...	2	2	0				girdles ...	6	3	0			
Soft marly parting ...	0	0	8				Marl ...	4	0	0			
Strong metal, with							Limestone, with marly						
hard girdles ...	2	3	4				partings ...	8	0	0			
Soft yellow ochre-like							Strong limestone ...	0	5	0			
marl ...	0	1	6				Rambly limestone,						
Marl, with blue scases	0	3	2				with partings and						
Marl, with white scases							nodules ...	3	2	0			
and hard girdles in							Ductile marl, mixed						
different places ...	7	4	4				with clay and a						
Strong gulletty lime-							spring of water ...	0	1	0			
stone ...	0	5	0				Girdly and noduly						
Marly limestone, with							limestone, with gul-						
hard girdles and							lets ...	1	0	0			
marly partings ...	4	1	0								56	2	0
Strong white gulletty													
limestone, with wa-													
ter and hard girdles	11	3	0										
Carried forward	32	3	0				Total ...				56	2	0

\* Approximate sea level (Ordnance datum).

## No. 1,677.—SEAHAM.

TOWNSHIP OF SEAHAM, DURHAM.

Sheet 21 of Ordnance Map. Lat.  $54^{\circ} 50' 22''$ , Long.  $1^{\circ} 21' 47''$ .*Section of Strata sunk through in the Union Pit, at Seaham and Seaton Colliery. July 31st, 1844.*

Approximate surface level 230 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset ...	0	3	0					Brought forward	9	3	0		
Soil ...	0	1	0					Soft marl ...	1	0	0		
Brown clay, strong and stony ...	8	5	0					Brown limestone, with strong marly part- ing ...	8	0	0		
Carried forward	9	3	0					Carried forward	18	3	0		

## No. 1,677.—SEAHAM.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	18	3	0			
Strong brown lime- stone ...	19	5	0			
	0	1	0			
Strong limestone, with water ...	14	0	0			
Limestone, mixed with sand ...	0	4	0			
Strong brown lime- stone ...	14	0	0			
Sand, with water ...	1	2	6			
Grey metal, mixed with blue ...	1	2	4			
				69	5	10
Red metal or sandy post ...	1	1	6			
Strong white post, with whin ...	0	2	5			
Grey metal, mixed with post girdles ...	0	3	2			
Dark metal, with post girdles ...	0	4	1			
Grey metal ...	2	4	1			
COAL ...	0	0	0 $\frac{1}{2}$			
Grey metal ...	3	0	3 $\frac{1}{2}$			
COAL ...	0	0	3			
				8	3	10
Dark grey metal, with post girdles ...	2	4	11			
COAL ...	0	5				
Band ...	0	1 $\frac{1}{2}$				
COAL ...	0	8				
Band ...	0	1 $\frac{1}{2}$				
COAL ...	1	4				
Band ...	0	2				
COAL ...	1	8				
				0	4	6
				3	3	5
Grey metal ...	0	2	4			
Grey post, with whin girdles and metal partings ...	0	5	11			
COAL ...	0	0	1			
Dark grey metal ...	0	4	4			
COAL ...	0	1	0			
				2	1	8
Grey metal ...	1	3	4			
COAL ...	0	0	3			
Dark grey metal ...	0	1	1			
COAL ...	0	0	1 $\frac{1}{2}$			
Dark grey metal ...	1	0	4			
Strong white post ...	2	0	4			
Dark grey metal ...	2	2	3			
Black stone, with iron- stone girdles ...	1	0	0			
Carried forward	8	1	8 $\frac{1}{2}$	84	2	9

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	8	1	8 $\frac{1}{2}$	84	2	9
COAL ...		2	8			
Band ...		0	4			
COAL ...		1	11			
				0	4	11
				9	0	7 $\frac{1}{2}$
Grey metal ...	1	5	3			
COAL ...	0	0	1 $\frac{1}{2}$			
Grey metal ...	1	1	6			
Grey post ...	1	1	6			
Grey metal ...	12	1	3			
COAL ...	0	0	8			
				16	4	3 $\frac{1}{2}$
Black stone, mixed with coal ...	0	0	3 $\frac{1}{2}$			
Strong grey post, with girdles ...	2	1	7			
COAL, foul ...	0	0	7			
				2	2	5 $\frac{1}{2}$
Grey metal, with post girdles ...	2	3	1			
Strong white post ...	4	1	9			
Grey metal ...	5	3	10			
Strong white post, with water ...	7	1	9			
Dark grey metal ...	5	4	3			
COAL ...	0	3				
Band ...	0	7 $\frac{1}{2}$				
COAL ...	0	2 $\frac{1}{2}$				
				0	1	1
				25	3	9
Strong grey post, with metal partings ...	1	2	3			
COAL ...	0	0	8			
				1	2	11
Ironstone balls ...	2	4	6			
Strong grey post, mixed with whin ...	5	3	3			
Grey metal ...	0	4	3			
COAL ...	0	9 $\frac{1}{2}$				
Parting ...	0	0 $\frac{1}{2}$				
COAL ...	2	0				
				0	2	10
				9	2	10
Strong white post, with water and me- tal partings ...	6	0	0			
Grey metal ...	0	1	0			
Strong white post, with water ...	3	0	9			
COAL ...	0	2	3			
				9	4	0
Carried forward	158	5	7 $\frac{1}{2}$			

\* Approximate sea level (Ordnance datum).







## No. 1,678.—SEAHAM.

TOWNSHIP OF SEAHAM, DURHAM.

Sheet 21 of Ordnance Map. Lat. 54° 50' 25", Long. 1° 21' 37".

*An Account of Strata sunk through at Seaham Colliery. Broke ground, April 13th, 1849.*

Approximate surface level 220 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	0	10				Brought forward	2	1	0	90	0	4
Brown clay ... ..	4	0	2				Grey metal, mixed						
Blue clay ... ..	5	1	0				with post ... ..	1	0	3			
Strong brown lime-							<b>COAL</b> ... ..	0	2	3			
stone ... ..	4	4	0								3	3	6
Marl ... ..	5	3	2				Soft grey metal ...	0	1	9			
Magnesian limestone	6	5	0				Strong white post,						
Brown limestone ...	4	0	10				with partings ...	1	3	0			
Yellow limestone ...	4	0	0				Blue metal ... ..	0	1	5			
Soft clay parting ...	0	0	4				Black metal ... ..	0	0	8			
Soft yellow limestone,							Ironstone girdles ...	0	0	5			
with water ... ..	1	2	8				Black metal ... ..	0	1	3			
Soft limestone, with	0	4	0				Grey metal ... ..	1	1	11			
hard brown girdles }	7	4	10			*	Strong grey metal,						
Brown limestone, with							with balls of whin	0	4	0			
water ... ..	1	3	2				Strong white post,						
Strong brown lime-							mixed with whin						
stone, with water...	4	0	2				and water ... ..	4	1	6			
Soft clay parting ...	0	0	5				Dark grey metal ...	0	3	2			
Strong brown lime-							<b>COAL</b> ... ..	0	0	3			
stone, with water...	5	4	5								9	1	4
Strong white and							Dark grey metal ...	3	2	4			
brown limestone,													
with partings ...	8	1	5				<b>COAL</b> ... ..	0	6	$\frac{1}{2}$			
Dark brown limestone,							Grey metal ... ..	0	1	$\frac{1}{2}$			
with water ... ..	4	3	0				<b>COAL</b> ... ..	1	11				
White limestone, with							Grey metal ... ..	0	2	$\frac{1}{2}$			
black partings ...	2	1	0				<b>COAL</b> ... ..	1	8	$\frac{3}{4}$			
White limestone, with											0	4	6
brown girdles ...	12	0	5								4	0	10
Blue limestone, with							Grey metal, with post						
metal partings ...	1	0	2				girdles ... ..	0	4	0			
Mild yellow limestone	0	1	9				Blue metal, with iron-						
				84	0	9	stone girdles ...	0	3	7			
Strong dark grey metal	0	4	0				<b>COAL</b> ... ..	0	0	1			
Black metal, with											1	1	8
partings ... ..	0	0	2				Dark grey metal ...	0	3	8			
Strong sandstone, with							<b>COAL</b> ... ..	0	1	1			
a little water ...	1	0	0								0	4	9
Red metal, with part-							Dark grey metal ...	1	2	8			
ings ... ..	2	0	0				<b>COAL</b> ... ..	0	0	5			
Black metal, with											1	3	1
water ... ..	0	3	0				Soft grey metal ...	0	2	0			
Grey metal ... ..	1	4	1				Dark grey metal,						
<b>COAL</b> ... ..	0	0	4				mixed with post						
				5	5	7	girdles ... ..	3	2	8			
Strong grey post ...	0	5	0				Black metal, with						
Dark grey metal, with							ironstone girdles ...	1	1	6			
ironstone girdles ...	1	2	0										
Carried forward	2	1	0	90	0	4	Carried forward	5	0	2	110	3	6

\* Approximate sea level (Ordnance datum).



## No. 1,678.—SEAHAM.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				244	1	8
Dark grey metal ...	1	5	7½			
<b>COAL</b> ...	0	0	4½			
				2	0	0
Dark grey metal, with post girdles ...	4	0	0			
Whin ...	1	1	3			
Strong grey post, with metal partings ...	2	2	2			
Soft blue metal ...	0	0	2			
<i>Hutton Seam</i> —						
<b>COAL</b> ...	3	9				
<b>COAL</b> , bot- tom ...	0	11				
				0	4	8
				8	2	3
Grey metal ...	0	5	0			
<b>COAL</b> , coarse, with slate partings ...	0	1	5			
Strong grey metal ...	1	4	0			
Strong grey post, with metal partings ...	3	0	10			
Dark grey metal ...	0	1	2			
Strong grey metal, with ironstone gir- dles ...	1	0	7			
Blue metal ...	0	3	1			
<b>COAL</b> ...	0	0	4½			
				7	4	5½
Blue metal ...	0	0	6			
Strong white post, with metal partings	4	4	4			
Dark blue metal ...	0	5	6			
<b>COAL</b> — <i>Parrot or</i> <i>Cannel Coal</i> ...	0	1	7			
				5	5	11
Black metal, with balls of ironstone ...	2	3	1			
Dark blue post, with balls of whin and metal ...	4	0	0			
White post, with ball of whin parting ...	5	0	0			
Grey metal ...	0	5	9½			
<b>COAL</b> — <i>Harvey Seam</i> ...	0	2	10			
				12	5	8½
Carried forward				281	2	0

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				281	2	0
Thill stone ...	0	3	0			
Black metal, with <i>coal</i> <i>pipes</i> ...	0	2	6			
Grey metal ...	1	2	6			
Blue metal partings...	0	0	3			
Grey post ...	0	3	6			
Blue stone ...	1	5	6			
<b>COAL</b> ...	0	0	6			
				4	5	9
Thill stone ...	0	2	6			
Grey post, mixed with whin ...	1	0	10			
Blue metal ...	0	4	6			
<b>COAL</b> , with thin jet bands	1	9				
Thill stone ...	5	0				
<b>COAL</b> ...	1	1				
Thill stone ...	0	7				
<b>COAL</b> ...	1	0				
Thill stone ...	2	4				
<b>COAL</b> ...	0	10				
				2	0	7
				4	2	5
Grey post ...	2	0	1			
White post ...	2	1	0			
Filtering white post...	3	2	4			
<i>Busty Seam</i> —						
<b>COAL</b> , with splint ...	0	5½				
<b>COAL</b> , coarse, with slip- pery partings at bot- tom ...	1	8				
<b>COAL</b> ...	0	8				
Strong grey bands ...	0	5				
<b>COAL</b> , bright ...	0	5½				
Thill stone ...	2	0				
<b>COAL</b> ...	0	9				
				1	0	5
				8	3	10
Post ...				0	1	0
Total ...				299	3	0

## SECTION OF BUSTY BANK SEAM, TAKEN SEPTEMBER 24TH, 1856.

	Fs.	Ft.	In.	Fs.	Ft.	In.
<b>COAL</b> , splint ...	0	0	6			
<b>COAL</b> , good ...	0	2	5			
Hard stone band ...	0	0	4			
Soft stone band ...	0	0	2			
<b>COAL</b> , good ...	0	0	4½			
Stone band ...	0	2	2			
<b>COAL</b> ...	0	0	8			
				1	0	7½
Total ...				1	0	7½

## No. 1,679.—SEATON BURN.

TOWNSHIP OF WEETSLADE, NORTHUMBERLAND.

Sheet 80 of Ordnance Map. Lat.  $55^{\circ} 3' 41''$ , Long.  $1^{\circ} 37' 24''$ .*Strata bored through in Seaton Burn Estate, about 400 yards North of the Farm House by the Turnpike and 300 yards East of Road. February 5th, 1833.*

Approximate surface level 225 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	0	6				Brought forward				25	4	11
Blue sandy clay ...	4	3	10				Grey metal ...	0	1	6			
Grey whin tumbler ...	0	0	9				Grey metal stone and						
Blue stony clay ...	8	0	0				post girdles ...	1	0	0			
White and brown							Strong white post and						
post ...	3	3	0				water ...	2	0	7			
Grey metal stone ...	0	5	0				Whin ...	0	0	6			
White post, with water	6	1	0								3	2	7
Grey metal stone ...	1	0	0										
Black stone ...	0	3	4										
<b>COAL</b> , foul ..													
<b>COAL</b> ...	4	2											
<b>COAL</b> , foul,													
with scares													
of metal ...	0	8											
				0	5	6							
				25	4	11							
Carried forward				25	4	11	Total ...				*29	1	6

\* Approximate sea level 49 feet 6 inches below this.

## No. 1,680.—SEATON BURN.

TOWNSHIP OF WEETSLADE, NORTHUMBERLAND.

Sheet 80 of Ordnance Map. Lat.  $55^{\circ} 3' 38''$ , Long.  $1^{\circ} 37' 45''$ .*Sunk at Seaton Burn Colliery, Engine Pit. 1844.*

Approximate surface level 218 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Strong blue metal ...	10	1	0				Brought forward				17	4	10
Freestone ...	4	3	0				White thill and post						
Grey metal ...	2	0	10				girdles ...	0	1	6			
<b>COAL</b> — <i>High Main</i>							Dark grey metal and						
<i>Seam</i> ...	1	0	0				post girdle...	1	3	6			
				17	4	10	<b>COAL</b> ...	0	0	5			
Carried forward				17	4	10	Carried forward	1	5	5	17	4	10



## No. 1,680.—SEATON BURN.—CONTINUED.

Brought forward	Fs.	Ft.	In.	Fs.	Ft.	In.
	1	5	5	17	4	10
Black stone ...	1	0	8			
Grey post ...	0	1	6			
White post ...	0	4	8			
Dark post ...	1	2	8			
White post, with whin	1	2	3			
Blue stone ...	1	0	8			
<b>COAL</b> and band—						
<i>Grey Seam</i> ...	0	3	3			
				8	3	1
White thill and blue stone ...	0	3	3			
<b>COAL</b> ...	0	0	6			
White shill and post	0	3	3			
Black metal and post girdle ...	1	3	8			
Grey metal ...	0	3	3			
Blue metal ...	0	1	7			
<b>COAL</b> — <i>Yard Coal</i>	0	3	0			
				4	0	6
Black stone and grey metal ...	1	1	8			
Blue metal ...	1	2	8			
White and black stone	0	4	6			
Blue metal and water	2	2	9			
	0	4	4			
Carried forward	6	3	11	30	2	5
Brought forward	6	3	11	Fs.	Ft.	In.
Black stone ...	0	3	2			
<b>COAL</b> and band ...	0	2	9			
				7	3	10
Grey metal ...	0	1	5			
Post, with partings ...	10	5	6			
<b>COAL</b> and black stone	0	1	0			
				11	1	11
Dark grey metal ...	0	4	0			
<b>COAL</b> and dark grey metal ...	0	3	10			
Post, with metal partings ...	1	1	9			
Grey metal, with black stone ...	0	5	0			
Blue and grey metal post, with whin girdles ...	1	3	10			
Whin ...	0	2	1			
Blue metal, with whin girdles ...	1	1	10			
Freestone and mussel bed ...	0	2	2			
Blue metal stone, with post and whin girdles ...	1	3	10			
<b>COAL</b> — <i>Low Main Seam</i> ...	0	3	11			
				9	2	3
Total ...				58	4	5

\* Approximate sea level (Ordnance datum).

## No. 1,681.—SEATON BURN.

TOWNSHIP OF STANNINGTON, NORTHUMBERLAND.

Sheet 80 of Ordnance Map. Lat. 55° 4' 37", Long. 1° 38' 39".

*Section of the North Pit, Seaton Burn Colliery.*

Approximate surface level 253 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...	3	0	0			
Post ...	5	2	0			
Whin ...	0	1	0			
Post ...	2	0	0			
Carried forward	10	3	0			
Brought forward	10	3	0	Fs.	Ft.	In.
Post, with blue partings ...	1	2	0			
Post ...	1	4	0			
Carried forward	13	3	0			

## No. 1,681.—SEATON BURN.—CONTINUED.

				Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward				13	3	0				
<i>Bensham Seam—</i>										
		Ft.	In.							
COAL	...	0	9½							
Band	...	0	7							
COAL	...	2	0							
				0	3	4½				
				14 0 4½						
Seggar clay	...	0	2	7½						
Grey metal	...	2	0	0						
Post, with blue part-										
ings	...	1	0	0						
Whin	...	0	1	0						
Post, with blue part-										
ings	...	1	0	0						
Post	...	0	3	0						
Whin	...	0	3	0						
Post	...	0	4	0						
Carried forward				6	1	7½	14	0	4½	

				Fs.	Ft.	In.	Fs.	Ft.	In.	
Carried forward				6	1	7½	14	0	4½	
<i>Low Main Seam—</i>										
		Ft.	In.							
Band	...	0	2½							
Badger	...	0	2							
COAL, grey	0	3								
COAL, good	3	4½								
								0	4	0
								10 3 7½		
Total				...	...	*24	4	0		

\* Approximate sea level 105 feet below this.

## No. 1,682.—SEATON BURN.

TOWNSHIP OF BRENKLEY, NORTHUMBERLAND.

Sheet 80 of Ordnance Map. Lat. 55° 4' 9", Long. 1° 40' 27".

*Strata bored through in West Brenkley Estate. No. 1 Borehole, about 6 yards from North fence and 22 yards from East fence; near the line of outcrop of the Low Main Coal Seam. November, 1887.*

Approximate surface level 208 feet above sea (Ordnance datum).

						Fs.	Ft.	In.	Fs.	Ft.	In.
Clay	...	...	...	...	...	2	4	0			
Black stone band	...	...	...	...	...	0	0	2 <sup>1</sup> <sub>4</sub>			
<i>Low Main Seam—</i>											
						Ft.	In.				
COAL	...	...	...	...	...	0	3				
COAL, grey	...	...	...	...	...	0	5				
COAL	...	...	...	...	...	3	2				
Brat (danty band)	...	...	...	...	...	0	1				
COAL	...	...	...	...	...	0	3				
Brat (danty band)	...	...	...	...	...	0	1				
COAL	...	...	...	...	...	0	3				
						<hr/>		0	4	6	
								<hr/>			
								3	2	8 <sup>1</sup> <sub>4</sub>	
Total						...	...	*3	2	8 <sup>1</sup> <sub>4</sub>	

\* Approximate sea level 188 feet below this.

## No. 1,683.—SEATON BURN.

TOWNSHIP OF BRENKLEY, NORTHUMBERLAND.

Sheet 80 of Ordnance Map. Lat.  $55^{\circ} 4' 7''$ , Long.  $1^{\circ} 40' 30''$ .

No. 2 Borehole in West Brenkley Estate, 66 yards from North fence and 103 yards from East fence; South-west from No. 1 Borehole, and supposed to be beyond the line of outcrop of the Low Main Coal Seam. November, 1887.

Approximate surface level 210 feet above sea (Ordnance datum).

		Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay	...	...	1	4	0			Brought forward	5	0	4	1	5	8
COAL	...	...	0	1	8			Ironstone	...	...	0	0	6	
						1	5	8	Blue metal	...	...	0	1	3
Post	...	...	0	2	9			Shell bed	...	...	0	2	0	
Blue metal	...	...	1	2	7			Blue metal	...	...	3	0	3	
Post	...	...	0	0	3			Ironstone	...	...	0	1	2	
Blue metal	...	...	1	3	9			Blue metal	...	...	0	4	8	
Ironstone	...	...	0	0	2							9	4	2
Blue metal	...	...	1	2	10									
Carried forward			5	0	4	1	5	8	Total	...	...	*11	3	10

NOTE.—The *Low Main Coal Seam* has evidently “cropped out” at some point between No. 1 and No. 2 Boreholes.

\* Approximate sea level 140 feet below this.

## No. 1,684.—SEATON BURN.

TOWNSHIP OF BRENKLEY, NORTHUMBERLAND.

Sheet 80 of Ordnance Map. Lat.  $55^{\circ} 4' 11''$ , Long.  $1^{\circ} 40' 27''$ .

No. 3 Borehole in West Brenkley Estate, 66 yards North (Magnetic, 1887) from No. 1 Borehole. November, 1887.

Approximate surface level 205 feet above sea (Ordnance datum).

							Fs.	Ft.	In.	Fs.	Ft.	In.	
Clay	...	...	...	...	...	...	1	5	0				
Post	...	...	...	...	...	...	0	3	8				
Blue metal	...	...	...	...	...	...	0	1	0				
Shell bed	...	...	...	...	...	...	0	1	0				
COAL	...	...	...	...	...	...	0	0	2				
										2	4	10	
Blue metal	...	...	...	...	...	...	0	3	6				
Whin	...	...	...	...	...	...	0	0	9				
											0	4	3

\* Approximate sea level 184 feet below this.

## No. 1,685.—SEATON BURN.

TOWNSHIP OF BRENKLEY, NORTHUMBERLAND.

Sheet 80 of Ordnance Map. Lat.  $55^{\circ} 4' 10''$ , Long.  $1^{\circ} 40' 27''$ .*No. 4 Borehole, half-way between No. 1 and No. 3 on North line.*

Approximate surface level 207 feet above sea (Ordnance datum).

							Fs.	Ft.	In.	Fs.	Ft.	In.
Clay	...	...	...	...	...	...	2	1	0			
Post	...	...	...	...	...	...	0	2	0			
Blue metal	...	...	...	...	...	...	1	3	0			
										4	0	0
Total										*4	0	0

NOTE.—The *Low Main Coal Seam* has evidently “cropped out” at some point between No. 1 and No. 4 Boreholes.

\* Approximate sea level 183 feet below this.

## No. 1,686.—SEATON BURN.

TOWNSHIP OF BRENKLEY, NORTHUMBERLAND.

Sheet 80 of Ordnance Map. Lat.  $55^{\circ} 3' 56''$ , Long.  $1^{\circ} 40' 28''$ .

*Strata sunk through in the Mason Pit, Seaton Burn Colliery, Mason Estate, in the South-west corner of the Second Field North of Gardener's Houses Farm. April, 1888.*

Approximate surface level 212 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brown clay, with							Brought forward	3	3	1			
boulder stones	1	1	0				Black stone band	0	0	2½			
Yellow freestone,							<i>Low Main Seam—</i>						
mixed with light													
grey post	...	0	5	0				Ft.	In.				
Dark blue metal	...	0	2	7			COAL	...	0	2½			
Post girdle	...	0	0	3			COAL, grey	...	0	3			
Light blue metal	...	0	1	5			COAL	...	2	9			
Post girdle	...	0	0	5			Brat (danty						
Light blue metal	...	0	2	3			band)	...	0	2			
Shell bed	...	0	1	7			COAL	...	0	6			
Ironstone girdle	...	0	0	3							0	3	10½
Light blue metal	...	0	0	4									
Carried forward													
							Total	...	...		*4	1	1½

\* Approximate sea level 187 feet below this.



## No. 1,687.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 4' 57", Long. 1° 29' 43".

*Bored in Seaton Delaval Grounds, within the Court. October 5th, 1701.*

Approximate surface level 106 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soft freestone post ...	3	3	0				Brought forward	1	5	3	8	0	9
Red freestone ...	1	0	0				White post ...	0	3	0			
Blue metal ...	2	0	0				Whin ...	0	3	0			
Black metal ...	1	3	0				White post ...	4	0	0			
<b>COAL</b> ...	0	0	9				<b>COAL</b> ...	0	4	0			
				8	0	9	Blue thill ...	0	4	6			
Grey thill ...	0	1	6								8	1	9
Blue metal stone ...	1	3	9										
Carried forward	1	5	3	8	0	9	Total ...				*16	2	6

\* Approximate sea level 7½ feet below this.

## No. 1,688.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. , Long.

*Stones and Metals in Seaton Delaval Grounds, above the Avenue. 1742.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Earth ...	9	0	0				Brought forward				27	5	2
Grey metal ...	0	3	0				Grey stone ...	0	4	6			
Grey post ...	1	3	0				Grey post ...	1	2	3			
Black stone ...	1	3	0				Grey metal ...	0	3	0			
Grey metal ...	0	3	0				Black metal ...	1	3	0			
<b>COAL</b> ...	0	0	9				<b>COAL</b> ...	0	0	9			
				13	0	9					4	1	6
Grey thill ...	2	0	0				White post ...	1	0	0			
Whin ...	0	1	0				Grey post ...	1	3	0			
Grey post ...	4	0	0				Whin ...	0	1	6			
<b>COAL</b> ...	0	1	8				White post ...	0	4	6			
				6	2	8	Whin ...	0	2	3			
Grey thill ...	0	3	0				White post ...	2	0	0			
Blue metal ...	2	0	0				Whin ...	0	3	9			
White post ...	0	3	0				White post ...	6	0	0			
Whin ...	0	1	6				Whin ...	0	2	3			
White post ...	1	3	0				Grey stone post, with						
Whin ...	0	1	0				girdles ...	2	1	6			
White post ...	3	0	0				<b>COAL</b> ...	0	0	6			
Whin ...	0	1	6				Grey thill ...	0	1	6			
<b>COAL</b> ...	0	0	9								15	2	9
				8	1	9							
Carried forward	27	5	2				Total ...				47	3	5

## No. 1,689.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat.

Long.

*Bored in Seaton Delaval Estate, at the Avenue Head.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Box ... ..				9	0	0					28	4	8
Grey metal ... ..	0	3	0				Brought forward						
Grey stone ... ..	1	3	0				Grey stone ... ..	0	5	0			
Black stone ... ..	1	3	0				Grey post ... ..	1	0	3			
Grey metal ... ..	0	3	0				Grey metal ... ..	0	3	0			
<b>COAL</b> ... ..	0	1	0				Black metal ... ..	1	3	0			
				4	1	0	<b>COAL</b> ... ..	0	1	0			
Grey thill ... ..	0	3	0								4	0	3
Blue metal ... ..	2	0	0				White post ... ..	1	0	0			
White post ... ..	1	0	0				Grey post ... ..	1	3	0			
Strong whin ... ..	0	2	0				Strong whin ... ..	0	2	0			
White post ... ..	1	3	0				White post ... ..	0	5	0			
Strong whin ... ..	0	1	3				Strong whin ... ..	0	3	0			
White post ... ..	3	0	0				White post ... ..	2	0	0			
Strong whin ... ..	0	2	0				Strong whin ... ..	0	4	0			
<b>COAL</b> ... ..	0	1	0				White post ... ..	6	0	0			
				9	0	3	Strong whin ... ..	0	3	0			
Grey thill ... ..	2	0	0				Grey stone, with post						
Strong whin ... ..	0	1	3				girdles ... ..	2	2	0			
Grey post ... ..	4	0	0				<b>COAL</b> ... ..	0	0	6			
<b>COAL</b> ... ..	0	2	2								15	4	6
				6	3	5	Grey thill ... ..				0	2	0
Carried forward				28	4	8							
							Total ... ..				48	5	5

## No. 1,690.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat.

, Long.

*Bored in Seaton Delaval Grounds, at Wood Head, near the Burn side.  
March 13th, 1753.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..				0	1	0	Brought forward				7	3	0
Grey post, with brown							Grey metal, with post						
scames ... ..	6	1	0				girdles ... ..	4	0	0			
Brown post ... ..	1	1	0										
Carried forward	7	3	0				Carried forward	11	3	0			

## No. 1,690.—SEATON DELAVAL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	11	3	0				Brought forward	7	3	6	13	1	0
Black metal ...	1	3	0				White post ...	3	0	0			
<b>COAL</b> ...	0	1	0				Grey metal ...	0	1	6			
				13	1	0	<i>High Main Seam—</i>						
Grey metal and thill	0	2	0				<b>COAL</b> ...	Ft.	In.				
Grey post, with metal							<b>COAL</b> , with	5	0				
partings ...	1	3	0				metal part-						
Brown scamy post ...	5	0	0				ings ...	2	0				
White post ...	0	3	0							1	1	0	
Whin, with water ...	0	1	6										
											12	0	0
Carried forward	7	3	6	13	1	0	Total ...				25	1	0

## No. 1,691.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 4' 49", Long. 1° 31' 51".

*Account of the Strata sunk through in the A and B Pits, Seaton Delaval Colliery, from the surface to the High Main Seam.*

Approximate surface level 118 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset ...				4	1	8	Brought forward	6	2	8	21	4	5
Mild brown clay ...	3	1	7				Grey metal, with post						
Sand, with water ...	0	3	6				girdles ...	2	1	0			
Strong brown clay ...	6	3	0				<b>COAL</b> ...	0	0	7			
				10	2	1					8	4	3
Grey metal ...	2	3	6				Grey metal ...	0	2	6			
Brown post, mixed							White post, with part-						
with white post ...	0	5	1				ings ...	1	0	0			
Grey metal, with scamy	1	3	8				Grey metal ...	1	5	0			
post girdles ...	0	2	1			*	Black metal ...	1	0	6			
Strong grey post ...	0	0	9				<b>COAL</b> ...	0	1	0			
Grey metal, with post											4	3	0
girdles ...	1	1	3				Grey metal, with post						
<b>COAL</b> ...	0	2	4				girdles ...	2	0	6			
				7	0	8	Strong metal, with						
Thill ...	0	2	0				post girdles and						
Grey metal ...	0	2	8				whin girdles ...	5	0	0			
Grey post, with part-							<b>COAL—High Main</b>						
ings ...	0	3	0				<i>Seam</i> ...	0	3	3			
Strong white post ...	4	3	0								7	3	9
Strong white post,													
mixed with coal													
<i>pipes</i> ...	0	4	0										
Carried forward	6	2	8	21	4	5	Total ...				42	3	5

\* Approximate sea level (Ordnance datum).

## No. 1,692.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 4' 49", Long. 1° 31' 51".

*Boring made from the bottom of the B Pit, below the Low Main-Seam, begun  
May 1st, and finished July 4th, 1845.*

Approximate surface level at top of pit 118 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Grey metal ...	0	1	5				Brought forward	11	0	5	9	5	1
Black stone ...	0	0	5				Strong white post ...	0	1	11			
Dark grey metal ...	0	1	7				Mild grey post ...	1	1	5			
Dark grey post, mixed with partings ...	1	1	0				Grey metal ...	0	0	9			
Grey metal, with post girdles ...	0	3	10				Cashy post ...	0	2	8			
Post girdles ...	0	0	9				Grey metal ...	0	1	5			
Grey metal ...	0	2	4				Strong white post ...	0	3	10			
Strong post girdle ...	0	0	4				Strong white post, with partings ...	0	4	8			
Grey metal, with post girdles ...	0	5	7				Grey metal stone, mixed with post ...	0	4	11			
Dark grey metal ...	0	2	4				Strong grey post ...	0	1	1			
Strong grey post ...	0	2	10				Grey metal and post ...	0	4	4			
Grey metal stone ...	0	2	9				White post ...	1	0	4			
Mild white post ...	0	1	10				Grey metal, with post girdles ...	1	0	2			
Strong grey post ...	0	5	5				White post ...	3	1	2			
Dark grey metal ...	1	2	6				Mild cashy post ...	0	0	10			
Light grey metal ...	1	5	6				White post ...	2	2	2			
<b>COAL</b> ...	0	0	8	9	5	1	Dark grey metal ...	0	0	6			
Thill ...	0	0	3				White post ...	0	4	7			
Black stone, mixed with coal ...	0	0	6				Strong grey metal stone, mixed with post ...	0	1	3			
Thill ...	0	0	11				Strong grey post ...	0	2	6			
Grey metal ...	0	1	7				Strong white post ...	1	0	1			
Grey post ...	0	0	10				<b>COAL</b> , pipe... ..	0	0	1			
Grey metal, with coal pipes ...	0	0	4				Strong white post ...	0	2	10			
Grey metal ...	1	0	0				Sand, wasted away ...	0	0	6			
Mild grey post ...	0	3	0				<b>COAL</b> ...	0	0	10	27	3	3
Strong grey metal stone, with post girdles ...	1	3	2				Thill ...	0	0	8			
Strong grey post, with metal partings ...	2	2	6				Grey metal, mixed with post ...	1	2	11			
Grey metal ...	0	0	10				Dark grey post, with metal partings ...	0	2	0			
Strong post girdle ...	0	0	9				Strong white post, with water ...	2	1	1			
Grey metal ...	0	2	1				Grey metal, mixed with post ...	0	2	5			
Strong grey post ...	1	3	7				Post girdle ...	0	0	9			
White post ...	0	5	3				Grey metal ...	0	0	2			
Grey metal ...	0	0	4				Post, with water ...	0	0	6			
Seamy post ...	0	2	10			*	Whin ...	0	0	10			
White post ...	0	1	0				White post ...	1	5	10			
Strong grey metal, mixed with post ...	1	0	4				<b>COAL</b> ...	0	0	9	6	5	11
Carried forward	11	0	5	9	5	1	Carried forward	44	2	3			

\* Approximate sea level (Ordnance datum).



## No. 1,692.—SEATON DELAVAL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				44	2	3	Brought forward	1	1	7	44	2	3
Thill ...	0	1	0				Grey post ...	0	5	5			
Black stone, mixed							Grey metal parting ...	0	0	2			
with coal ...	0	0	3				White post ...	0	3	11			
Thill ...	0	0	7								2	5	1
White post ...	0	4	9										
Grey metal, mixed													
with post ...	0	1	0										
Carried forward	1	1	7	44	2	3	Total bored below the <i>Low Main Seam</i> ...				47	1	4

## No. 1,693.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 54° 4' 50", Long. 1° 31' 54".

*Section of Strata sunk in Lord Hastings' Royalty, C and D Pits, Seaton Delaval Colliery.*

Approximate surface level 118 feet above sea (Ordnance datum.)

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset to top of screen platform ...				3	5	6½	Brought forward	10	3	8	21	5	7½
Mild blue clay ...	3	0	7				Grey metal stone ...	1	2	2			
Sand, with water ...	0	4	0				Black metal ...	1	0	0			
Strong brown clay ...	6	4	0				<b>COAL</b> ...	0	1	0			
Grey metal ...	2	4	5				Thill ...	0	0	6			
<b>COAL</b> ...	0	1	0				Grey metal, with post and whin girdles ...	6	0	9			
				13	2	0	<b>COAL—High Main Seam</b> ...	0	2	10			
Thill ...	0	1	0								19	4	11
Strong white post ...	0	1	4				Black stone, mixed with coal ...	0	3	2			
Mild cashy post ...	0	2	2				Thill ...	0	3	0			
Grey metal stone ...	1	4	4				Grey metal stone ...	5	3	0			
Strong grey post ...	0	3	8				Grey scamy post, with metal partings ...	1	3	0			
Grey metal, with post girdles ...	0	1	11½				Whin ...	0	3	0			
	0	0	6½			*	Strong grey metal stone ...	12	0	0			
Mild scamy post ...	0	0	7				Strong white post ...	0	1	3			
Grey metal ...	0	4	0				<b>COAL</b> ...	0	0	9			
<b>COAL</b> ...	0	2	6								20	5	2
				4	4	1	Grey metal ...	0	0	6			
Thill ...	1	0	3				Strong white post ...	0	2	0			
Mild white post ...	5	5	2				Black stone ...	0	1	9			
<b>COAL</b> ...	0	0	8				Grey metal ...	0	1	9			
Thill ...	0	0	10				<b>COAL</b> ...	0	0	11			
Mild scamy post ...	0	5	6								1	0	11
Grey metal stone ...	1	0	6										
<b>COAL</b> ...	0	0	6										
Strong thill ...	0	2	3										
Strong grey post, with partings ...	1	0	0										
Carried forward	10	3	8	21	5	7½	Carried forward	63	4	7½			

\* Approximate sea level (Ordnance datum).

## No. 1,693.—SEATON DELAVAL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward				63	4	7½		Brought forward	8	0	3	73	5	6½
Grey scamy post, with metal partings ...	0	3	0					Grey metal ...	1	4	0			
Strong grey metal stone ...	1	2	0					Strong white post, hard and coarse ...	13	3	9			
Black metal, and iron-stone girdles ...	1	3	0					Blue metal ...	0	2	0			
Thill ...	0	3	0					<b>COAL</b> — <i>Hartley</i>						
Grey metal ...	0	3	0					Stone Coal ...	0	2	0			
Strong grey post, with metal partings ...	2	0	0									24	0	0
Grey metal stone, with post girdles ...	3	2	2					Thill ...	0	1	10			
<b>COAL</b> — <i>Yard Seam</i>	0	2	9					Grey metal ...	0	3	2			
				10	0	11		Grey scamy post	0	3	9			
Strong white post ...	0	4	0					Grey metal stone, with post girdles ...	1	2	4			
Strong grey post, with metal partings ...	1	0	0					Blue metal ...	0	1	6			
<b>COAL</b> ...	0	0	8					Grey metal ...	2	0	0			
Black stone ...	0	2	6					Whin ...	0	1	0			
Thill ...	0	2	6					Grey metal, and post girdles ...	0	3	8			
Strong grey metal, with post girdles ...	1	0	0					Whin ...	0	1	0			
Strong white post ...	2	3	0					Grey post ...	0	2	0			
Grey post, with metal partings ...	1	0	0					Grey metal ...	0	3	4			
Strong grey metal stone ...	0	1	7					Strong white post ...	0	5	0			
Black stone, mixed with coal ...	0	4	0											
Carried forward	8	0	3	73	5	6½		<i>Low Main Seam</i> —						
								Jet or black stone ...	0	7				
								<b>COAL</b> ...	2	4				
											0	2	11	
													8	1
								Thill ...					0	1
														6
								Total ...				106	2	6½

## No. 1,694.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. , Long.

*Bored from the Yard Seam to the Low Main from the C Pit, Seaton Delaval Colliery.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
<i>Sunk for staple</i> :—								Brought forward	0	5	8		
Strong thill stone, mixed with post ...	0	5	8					White post, with metal partings ...	0	1	4		
Carried forward	0	5	8					Carried forward	1	1	0		

## No. 1,694.—SEATON DELAVAL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	1	0			
Blue metal ...	0	0	11			
<b>COAL</b> ...	0	0	7			
Black stone, mixed with coal ...	0	2	0			
				1	4	6

*Bored :—*

Grey metal ...	1	1	11			
Mild grey post ...	1	0	0			
Brown post ...	0	3	0			
White post ...	1	2	5			
Blue metal ...	0	0	4			
White post ...	0	3	0			
Blue metal ...	0	0	3			
Very strong post ...	0	0	4			
Mild grey post ...	0	1	1			
Dark grey metal ...	0	4	1			
Black stone, mixed with coal ...	0	5	11			
Grey thill ...	0	0	6			
Post ...	0	4	0			
Grey metal stone, with post girdles ...	1	3	4			
Post ...	0	0	8			
Scamy post, with metal partings ...	0	1	2			
Blue metal ...	0	1	4			
Grey post ...	0	1	11			
Strong white post ...	0	1	0			
Scamy post ...	0	2	4			
Strong white post ...	0	0	6			
Strong scamy post ...	1	0	9			
White post ...	1	4	3			
Strong post, mixed with whin ...	0	5	4			
Strong white post ...	2	1	4			
Whin ...	0	1	0			
Blue metal ...	0	0	1			
Mild grey post, with metal partings ...	0	1	11½			
Blue metal ...	0	2	11			
Grey metal ...	0	4	0			
Mild grey post ...	0	3	6			
Grey metal ...	0	1	5			
Black stone ...	0	0	9			
<b>COAL</b> —Stone Coal	0	1	8½			
				19	2	1

Carried forward 21 0 7

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				21	0	7
Thill ...	0	1	7			
<b>COAL</b> ...	0	0	1			
				0	1	8

Thill ...	0	2	11			
Mild grey post, with metal partings ...	0	3	3			
Grey metal ...	0	4	6			
White post ...	0	0	4			
Whin ...	0	0	10			
Mild grey post ...	0	1	11			
Blue metal ...	0	3	0			
Whin ...	0	0	4½			
Blue metal ...	0	1	9			
White post ...	0	0	4			
Blue metal ...	0	2	10			
Grey metal, with post girdles ...	0	2	3½			
Grey post ...	0	2	1			
Grey metal ...	0	1	6			
Blue metal ...	0	2	6			
Blue metal, with post girdles ...	0	3	6			
Strong white post ...	0	0	6½			
Mild grey post ...	0	0	11			
White and grey post, with metal partings	1	4	6			
Whin ...	0	1	11			
Mild white post ...	0	3	9			
Blue metal ...	0	1	9			

*Low Main Seam—*

<b>COAL</b> , can-	Ft.	In.
nel, or jet	0	6
<b>COAL</b> ...	2	9

	0	3	3			
				9	2	6½
In thill ...				0	0	9

Total below the Yard Seam 30 5 6½

## No. 1,695.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat.  $55^{\circ} 5' 2''$ , Long.  $1^{\circ} 32' 7''$ .*Bored from the Yard Seam to the Low Main, N.  $36\frac{1}{2}^{\circ}$  W. 425 yards from the C Pit, Seaton Delaval Colliery.*

Approximate surface level 120 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
<i>Sunk for staple:—</i>							<i>Brought forward</i>				22	4	9
Strong thill stone ...	0	5	3				Thill, mixed with coal						
Post, with metal partings ...	0	1	6				<i>pipes</i> ...	0	3	$1\frac{1}{2}$			
Blue metal ...	0	1	1				<b>COAL</b> ...	0	1	$10\frac{1}{2}$			
<b>COAL</b> ...	0	0	7								0	5	0
Black stone, mixed with coal ...	0	2	0				Thill ...	0	1	6			
				1	4	5	Grey post, with metal partings ...	0	2	$1\frac{1}{2}$			
<i>Bored:—</i>							Grey metal stone, with post girdles ...	0	4	$1\frac{1}{2}$			
Blue metal stone ...	0	3	0				Whin ...	0	0	$5\frac{1}{2}$			
Strong white post ...	1	0	8				Grey post ...	0	2	$2\frac{1}{2}$			
Whin ...	0	0	7				Blue metal ...	0	1	2			
Strong white post ...	0	0	9				Grey metal, with post girdles ...	0	3	6			
Grey whin ...	0	0	6				Blue metal ...	0	1	2			
Strong white post, much water ...	2	3	7				Grey metal, with post girdles ...	0	2	5			
Whin ...	0	0	9				Grey metal ...	0	3	10			
Blue metal ...	0	0	9				Post ...	0	0	3			
Black stone, mixed with coal ...	0	2	8				Grey metal ...	0	2	7			
Thill ...	0	1	4				Post girdles ...	0	0	2			
Black stone, mixed with coal ...	0	1	9				Grey metal ...	0	0	11			
Thill ...	0	3	5				Grey post ...	0	1	3			
Grey metal ...	0	4	0				Grey metal ...	0	2	1			
Mild grey post, with metal partings ...	0	2	4				Post girdle ...	0	0	4			
Grey metal ...	0	5	0				Grey metal ...	1	0	2			
Mild post, with metal partings ...	0	5	0				Grey post ...	0	3	3			
Strong white post, hard and coarse ...	5	4	$7\frac{1}{2}$				Post, with coal pipes	0	0	4			
Grey metal, with post girdles ...	0	3	1				Strong white post ...	0	1	1			
Blue metal, with post girdles ...	0	2	6				Mild grey post ...	0	2	11			
Mild white post, with coal pipes ...	0	5	9				Blue metal ...	0	0	2			
Strong white post, with whin ...	3	1	10				Strong white post ...	0	2	10			
Blue metal ...	0	1	4				Mild grey post ...	0	0	10			
Grey metal ...	0	2	$10\frac{1}{2}$				Strong white post ...	1	0	7			
<b>COAL—Stone Coal</b> ...	0	2	3				Whin ...	0	0	7			
				21	0	4	Black stone ...	0	0	2			
Carried forward				22	4	9	<b>COAL—Low Main Seam</b> ...	0	2	10			
											9	3	10
							Total below the Yard Seam				33	1	7



## No. 1,696.—SEATON DELAVAL.

TOWNSHIP OF EAST SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat.  $55^{\circ} 4' 52''$ , Long.  $1^{\circ} 31' 24''$ .

*Account of a Boring in a Stone Drift in the East side of the Swallow Dene Whin Dyke, Seaton Delaval Colliery. October, 1843. Course by Compass from D Pit to Hole N.  $57\frac{1}{4}$  E.  $545\frac{1}{2}$  yards.*

Approximate surface level 98 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
In post ... ..	0	0	3				Brought forward	5	3	4	1	0	7
Blue metal ... ..	0	2	8				Strong grey post ...	0	3	6			
Jet ... ..	0	0	8				Mild white post and						
<b>COAL</b> — <i>Low Main</i>							water ... ..	0	1	6			
Seam ... ..	0	3	0				Strong white post and						
				1	0	7	water ... ..	1	5	11			
Grey thill ... ..	0	1	4				Black metal and iron-						
Grey metal and post							stone girdles ...	3	3	7			
girdles ... ..	4	1	0				Grey post ... ..	0	0	5			
Blue metal ... ..	0	1	0				Grey metal ... ..	0	3	10			
Strong grey metal							Strong white post ...	0	2	6			
stone and post gir-							Grey seamy post ...	0	2	2			
dles ... ..	0	4	9				Strong white post ...	0	2	9			
Strong white post ...	0	1	3								13	5	6
Carried forward	5	3	4	1	0	7	Total below <i>Low Main</i>				15	0	1

## No. 1,697.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat.  $55^{\circ} 4' 25''$ , Long.  $1^{\circ} 31' 56''$ .

*Bored, in Seaton Delaval Colliery Royalty, the following Holes by John Kettlewell. No. 1, bored in the North Well Field, Whitridge Farm, about 500 yards S.E. of Whitridge Farm House. Begun Oct. 24th; ended Dec. 4th, 1837.*

Approximate surface level 130 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Gravel and sand ...	1	2	0				Brought forward				13	3	0
Sand, with water ...	1	1	0				Light grey post, with						
Clay ... ..	2	1	0				partings ... ..	1	0	1			
Sand ... ..	0	3	6				Yellow and grey free-						
Strong blue clay, mixed							stone, mixed ...	0	2	6			
with freestone ...	8	1	6				Grey post ... ..	0	1	3			
				13	3	0							
Carried forward				13	3	0	Carried forward	1	3	10	13	3	0



## No. 1,699.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat.  $55^{\circ} 4' 57''$ , Long.  $1^{\circ} 31' 19''$ .

*No. 3, bored in the Thistle Field, being the Easternmost in Whitridge Farm, about 200 yards east from the west hedge, and within 4 yards of the north hedge.  
Begun Nov. 30th, and ended Dec. 29th, 1837.*

Approximate surface level 95 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	0	9				Brought forward				18	0	7
Stony clay ... ..	1	1	3				Thill ... ..	0	2	2			
Fine loamy clay ... ..	0	4	0				Grey metal, mixed						
Stony clay ... ..	2	3	0				with scamy post						
Grey metal ... ..	0	2	4				girdles ... ..	2	4	10			
<b>COAL</b> ... ..	0	0	11				Black stone ... ..	1	1	6			
				5	0	3	Grey metal ... ..	2	2	11			
							Whin ... ..	0	0	4			
Mild scamy post ... ..	0	3	4				Grey metal ... ..	1	1	0			
Mild white post ... ..	0	3	1				Whin ... ..	0	0	6			
Grey metal, with scamy							Strong white post ... ..	0	0	10			
post girdles ... ..	1	3	5				Scamy post ... ..	0	5	11			
<b>COAL</b> ... ..	0	2	5				Whin ... ..	0	3	6			
				3	0	3	Mild white post ... ..	1	1	8			
Thill ... ..	0	0	6				<b>COAL</b> ... ..	6	4				
Grey metal ... ..	0	4	6				Grey metal						
<b>COAL</b> ... ..	0	0	3				band ... ..	0	7				
				0	5	3	<b>COAL</b> ... ..	1	11				
							Grey metal						
Thill ... ..	0	2	10				band ... ..	0	1				
Strong white post,							<b>COAL</b> ... ..	0	6				
with partings ... ..	2	0	1				Grey metal						
Brown post, mixed							band ... ..	0	2				
with yellow post ... ..	1	5	1				<b>COAL</b> ... ..	0	5				
Strong white post,											1	4	0
mixed with whin ... ..	2	2	9										
Strong white post,											12	5	2
mixed with yellow	0	0	6										
post ... ..	1	0	1			*	Thill ... ..				0	0	10
Scamy post ... ..	0	2	6										
Blue metal ... ..	0	4	3										
<b>COAL</b> ... ..	0	0	9										
				9	0	10							
Carried forward	18	0	7				Total ... ..				31	0	7

\* Approximate sea level (Ordnance datum).

## No. 1,700.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 5' 18", Long. 1° 32' 29".

*No. 4, bored in the Low Pasture Field, North Moor Farm, at the N.E. angle of the said field, and 450 yards direct East of the North Moor Farm House. Begun Jan. 1st, and ended 16th, 1838.*

Approximate surface level 125 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Stony clay ...	...	1	3	2			Brought forward	15	1	2			
Sand ...	...	0	0	3			Grey metal stone ...	0	4	9			
Fine clay ...	...	1	3	7			<b>COAL</b> ...	0	1	11			
Sand, with water ...	...	0	3	1							16	1	10
Fine clay ...	...	0	2	6			Thill ...	0	2	0			
Stony clay ...	...	9	0	4			Grey metal ...	0	1	3			
Grey metal ...	...	1	3	9			Yellow post, mixed						
Yellow post, mixed							with grey post ...	1	4	10			
with grey post ...	...	0	2	6			Strong white post ...	0	1	0			
											2	3	1
Carried forward	15	1	2				Total ...				*18	4	11

\* Approximate sea level 12 feet below this.

## No. 1,701.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 5' 18", Long. 1° 32' 21".

*No. 5, bored in the North Centre Bit Field, North Moor Farm, about 105 yards from the West Hedge and 600 yards direct East of the North Moor Farm House, also six ridges from the North Hedge in the Centre Bit Field. Begun January 17th, and ended February 17th, 1838.*

Approximate surface level 120 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Stony clay ...	...	2	4	9			Brought forward	12	3	6			
Sandy loam ...	...	0	2	9			Whin ...	0	1	2			
Clay ...	...	0	0	6			Strong grey post ...	0	1	6			
Sand, with water ...	...	0	2	8			Brown post, mixed						
Stony clay ...	...	4	3	9			with yellow post ...	2	5	8			
Sand ...	...	0	0	4			White post, with part-						
Brown clay, mixed							ings (water gone)...	1	1	0			
with sand ...	...	3	0	1			Whin ...	0	1	6			
Sand ...	...	0	1	8			Grey post, with part-						
Sandy clay ...	...	0	1	8			ings ...	1	5	3			
Strong yellow post ...	...	0	3	4			Mild white post {	0	4	5			
								2	0	5			*
Carried forward	12	3	6				Carried forward	22	0	5			

\* Approximate sea level (Ordnance datum).



## No. 1,701.—SEATON DELAVAL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	22	0	5				Brought forward				32	0	8
White post, mixed							Thill ...	0	1	2			
with coal pipes ...	0	1	0				Black metal ...	0	2	7			
White post ...	0	5	6				<b>COAL</b> ...	0	0	4			
Cashy post ...	0	1	6								0	4	1
<b>COAL</b> ...	0	0	3½				Grey metal ...	0	1	4			
				23	2	8½	Blue metal ...	0	2	6			
Thill ...	0	2	0				Grey metal ...	0	2	10			
Grey metal ...	0	4	6½				<b>COAL</b> ...	0	0	10			
Strong white post, with											1	1	6
partings ...	0	3	8				Thill ...	0	2	5			
Grey metal ...	0	2	3				Grey metal ...	2	4	4			
Blue metal ...	0	3	0				Grey metal, with scamy						
Grey metal ...	1	5	5				post girdles ...	0	3	5			
Black metal ...	2	1	11				Grey post, with part-						
Grey metal ...	0	2	0				ings ...	0	1	9			
Blue metal ...	0	2	6				Grey metal stone ...	0	5	2			
Grey metal ...	0	4	7								4	5	1
<b>COAL</b> ...	0	2	1										
				8	3	11½							
Carried forward				32	0	8	Total ...				38	5	4

N.B.—This hole was here abandoned, having evidently for the last few fathoms been in the gullet of a dyke, or some derangement of that sort.

## No. 1,702.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 4' 49", Long. 1° 31' 52".

No. 6, bored in Whitridge Farm, 154 yards East from the West Hedge of the Grey Field and 88 yards North from the South Hedge. Begun February 21st and ended March 21st, 1838.

Approximate surface level 118 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Stony clay ...	1	0	7				Brought forward	15	4	5			
Loamy clay ...	1	0	0				Strong grey post	0	0	8			
Sand ...	0	1	0				Grey metal ...	0	1	1			
Loamy clay ...	1	0	0				White post ...	0	0	11			
Sand, with water	0	3	6				Grey metal stone	0	5	4			
Stony clay ...	6	3	0				<b>COAL</b> ...	0	2	2			
Grey metal ...	2	3	6								17	2	7
Brown and white post	0	5	1				Thill ...	0	3	0			
Grey metal, with scamy							Grey metal ...	0	2	0			
post girdles ...	1	5	9				Grey post, with part-						
							ings ...	0	2	9			
Carried forward	15	4	5				Carried forward	1	1	9	17	2	7

## No. 1,702.—SEATON DELAVAL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.		
Brought forward	1	1	9	17	2	7		Brought forward	2	0	8	26	1	2	
Whin ... ..	0	0	4					Blue metal ... ..	0	4	0				
White post, with cashy	{	0	5	4				Grey metal, with post							
partings ... ..		1	2	1		*		girdles ... ..	0	3	0				
Strong white post ...		1	1	1				Black metal ... ..	1	1	7				
Grey post, with part-								Grey metal ... ..	1	0	0				
ings ... ..		1	0	8				Grey metal, with post							
White post, with coal								girdles ... ..	0	3	2				
pipes ... ..		0	0	7				Grey post ... ..	0	0	6				
Strong grey post ...		0	1	7				Whin ... ..	0	0	6				
White post, with coal								Grey metal, with post							
pipes ... ..		0	1	2				girdles ... ..	0	1	10				
COAL ... ..		0	0	8				Whin ... ..	0	0	5				
				6	3	3		Strong grey metal							
Grey metal ... ..		0	2	6				stone, with post gir-							
Strong white post ...		0	1	5				dles ... ..	5	0	10				
Grey metal, with post															
girdles ... ..		1	3	1				<i>High Main Seam—</i>							
COAL ... ..		0	0	4				COAL ... ..							
				2	1	4			Ft. In.						
Thill ... ..		0	0	6				Metal band..	3	6					
Grey metal ... ..		0	2	0				COAL ... ..	1	4					
White post, with part-								Metal band..	0	8					
ings ... ..		0	3	8				COAL ... ..	0	4					
Whin ... ..		0	0	11							1	0	2		
Cashy post and metal													12	4	8
partings ... ..		0	1	8				Thill ... ..					0	0	2
Grey metal ... ..		0	3	11											
Carried forward		2	0	8	26	1	2	Total ... ..					39	0	0

\* Approximate sea level (Ordnance datum).

## No. 1,703.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 4' 52", Long. 1° 31' 35".

No. 7, bored in the Sore Field, about 150 yards direct North of Hole No. 2. On this Hole the Engine Pit is intended to be sunk. Begun March 26th; ended April 3rd, 1838.

Approximate surface level 102 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Mild brown clay, with							Brought forward	5	1	0			
stones ... ..	2	5	0				Grey metal, mixed						
Strong brown clay,							with coal ... ..	0	1	6			
with stones ... ..	1	5	0				Grey metal ... ..	0	1	6			
Dry sandy clay ...	0	3	0				Cashy post, with metal						
							partings ... ..	0	2	3			
Carried forward	5	1	0				Carried forward	6	0	3			

## No. 1,703.—SEATON DELAVAL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	6	0	3				Brought forward	2	0	6	7	5	5
Mild white post, with partings ...	0	3	5				<b>COAL</b> ...	Ft. In.					
Mild white post, with coal pipes ...	0	1	0				Grey metal band ...	0	1				
Mild white post ...	0	1	6				<b>COAL</b> ...	0	6				
Strong white post ...	0	3	0						0	2	4		
<b>COAL</b> ...	0	2	3								2	2	10
				7	5	5	Thill, mixed with iron-stone girdles ...	0	3	6			
Thill ...	0	0	4				Grey metal stone, with post girdles ...	0	3	0			
Cashy post ...	0	1	2				Strong white post, mixed with whin ...	0	2	6			
Grey metal, with cashy post girdles ...	0	4	6				Cashy post ...	0	0	6			
Grey metal stone, with post girdles ...	1	0	6				Whin ...	0	0	5			
											1	3	11
Carried forward	2	0	6	7	5	5	Total ...				*12	0	2

\* Approximate sea level (Ordnance datum).

## No. 1,704.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 4' 50", Long. 1° 31' 47".

No. 8, bored in the Grey Field, Whitridge Farm, about four chains East of No. 6 Hole. Begun April 4th and ended April 12th, 1838.

Approximate surface level 118 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sand and gravel ...	0	4	6				Brought forward	2	4	7	9	5	11
Strong brown clay, with stones ...	0	1	6				Grey metal, mixed with cashy post ...	1	0	0			
Sandy loam ...	0	3	7				Cashy post, with metal partings ...	1	0	6			
Sandy clay ...	1	3	5				Broken post, mixed with post ...	0	0	4			
Sand ...	0	2	8				Strong grey metal stone ...	1	2	1			
Sandy loam ...	0	4	0				Broken post ...	0	2	8			
Strong brown clay, with stones ...	5	0	7				Mild cashy post, with metal partings ...	0	5	10			
Brown clay, mixed with coal ...	0	0	6				<b>COAL</b> ...	0	2	3			
Blue metal ...	0	2	9								8	0	3
<b>COAL</b> ...	0	0	5				Thill ...				0	0	8
				9	5	11							
Thill ...	0	3	0				Total ...				*18	0	10
Grey metal ...	2	1	7										
Carried forward	2	4	7	9	5	11							

\* Approximate sea level 9 feet below this.

## No. 1,705.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. , Long.

No 9, bored in the North-west corner of Make-me-Rich Field, Fryer's Letch,  $1\frac{1}{4}$  miles North from C and D Pits, by Wm. Coulson. Begun May 19th and ended October 19th, 1843.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Strong blue clay, with sandy partings and water ...	5	4	0				Brought forward	9	1	10	57	0	0
Grey metal, with post girdles ...	4	1	9				Strong white post, with whin and water	1	1	0			
<b>COAL</b> , foul, with water ...	0	0	3				Grey scamy post ...	1	0	0			
Grey metal, with post girdles ...	7	4	0				Black metal, with coal	0	2	6			
Dark grey metal ...	1	3	0				Grey metal ...	1	0	8			
<b>COAL</b> ...	0	0	6	19	1	6	Strong white post, with whin girdles, metal partings, and water ...	13	2	5			
Grey and dark metal, with scares of coal	2	2	10				Strong grey metal stone ...	0	3	0			
<b>COAL</b> , with water...	0	2	1	2	4	11	Grey metal ...	0	4	6			
Dark grey metal, mixed with coal ...	0	4	6				<b>COAL</b> , slaty	Ft. In.					
Strong grey metal, with whin girdles and water ...	9	2	5				<b>COAL</b> ...	1	5				
Grey post, with metal partings and water	10	5	4					0	1	11	27	5	10
Grey metal stone ...	1	2	10				Strong grey metal ...	0	1	1			
Grey post, with water	1	4	0				Strong white post ...	0	3	10			
Grey metal ...	0	4	0				Strong grey metal and ironstone girdles ...	0	4	5			
<b>COAL</b> ...	0	0	7	24	5	8	<b>COAL</b> , foul	Ft. In.					
Grey metal ...	0	1	4				brassy ...	0	3				
Black metal ...	0	2	2				Grey metal ...	0	11				
Grey metal, mixed with coal ...	3	3	4				<b>COAL</b> ...	1	0				
Strong white post, with metal partings	5	2	4					0	2	2	1	5	6
<b>COAL</b> —Yard Seam	0	2	9	9	5	11	Grey metal ...	1	0	5			
Strong grey metal ...	0	3	5				Strong white post and metal partings ...	0	3	5			
Hard white post ...	0	2	8				Grey metal ...	1	0	2			
Grey metal stone, with post girdles ...	2	5	7				Whin ...	0	0	8			
Mild white post ...	0	4	10				Grey metal ...	1	2	4			
Black metal, mixed with coal ...	0	1	11				<b>COAL</b> , foul slaty ...	0	1	1	4	2	1
Grey metal stone ...	2	5	0										
Whin girdle ...	0	2	5				Grey metal ...	0	5	6			
Grey metal stone, inclining to post ...	1	0	0				Grey scamy post ...	0	2	7			
							Strong grey metal and post girdles ...	1	2	1			
							Low Main Seam—						
								Ft. In.					
							<b>COAL</b> , slaty—						
							Cannel Coal	0	6				
							<b>COAL</b> , strong, without any parting ...	4	10 $\frac{1}{2}$				
									0	5	4 $\frac{1}{2}$		
											3	3	6 $\frac{1}{2}$
Carried forward	9	1	10	57	0	0	Total ...				94	4	11 $\frac{1}{2}$

NOTE.—Relief Pit sunk on this hole to Yard Seam.



## No. 1,706.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 4' 52", Long. 1° 31' 35".

*Sunk in the Engine Pit, Seaton Delaval Colliery. May 10th, 1838.*

Approximate surface level 102 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Outset ...	1	0	0			
Mild brown clay ...	2	5	0			
Strong brown clay, with stones ...	2	2	0			
Grey metal, mixed with coal ...	0	1	6			
Grey metal ...	0	1	6			
Mild scamy post, with parting ...	1	2	2			
Strong grey post ...	0	3	0			
<b>COAL</b> ...	0	2	3			
				8	5	5

Grey metal, with cashy post girdles ...	2	0	0			
<b>COAL</b> ...	Ft.	In.				
Band ...	0	1				
<b>COAL</b> ...	0	9				
				0	2	6
				2	2	6

Thill, mixed with iron- stone balls... ..	0	5	7			
Strong white post ...	0	2	0			
Cashy post ...	0	0	6			
Whin ...	0	0	6			
White post, mixed with yellow post ...	4	0	0			
White post, with { water ... }	0	1	6			
	2	4	6			
White post, mixed with coal pipes ...	0	3	0			
Plum pudding post ...	0	1	0			
Cashy post ...	1	0	0			
Grey metal ...	0	3	3			
<b>COAL</b> ...	0	0	11			
				10	4	9

Thill ...	0	1	0			
Scamy post, with cashy partings and water	1	2	5			
Grey metal ...	1	5	5			
Black stone ...	1	2	0			
<b>COAL</b> ...	0	1	0			
				4	5	10

Strong thill stone ...	1	0	0			
Grey metal stone ...	2	3	0			
White post, mixed with grey post ...	1	2	0			

Carried forward 4 5 0 27 0 6

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	4	5	0	27	0	6
<i>High Main Seam—</i>						
<b>COAL</b> ...	Ft.	In.				
<b>COAL</b> ...	0	6				
<b>COAL</b> ...	0	8				
<b>COAL</b> ...	4	8				
<b>COAL</b> ...	0	10				

	1	0	8			
Black band... ..	0	0	3			
Grey metal band ...	0	0	5			

<b>COAL</b> ...	Ft.	In.				
Grey metal band	0	9				
<b>COAL</b> ...	1	3				
				0	4	2
				0	4	10

Thill ...	0	0	6			
Grey metal stone ...	5	4	4			
Scamy post ...	3	0	0			
Strong grey metal stone ...	4	0	0			
Scamy post, with metal partings ...	2	1	0			
<i>Grey Seam—</i>						
<b>COAL</b> ...	Ft.	In.				
Grey metal band ...	0	3				
<b>COAL</b> ...	2	6				

	1	0	0			
Mild white post ...	0	3	0			
Grey scamy post ...	0	2	0			

Strong grey metal stone, with post ...	1	1	0			
Mild white post ...	0	1	0			
Strong grey metal stone, mixed with post and ironstone	1	0	10			
Strong white post ...	0	1	2			
Grey scamy post ...	0	3	6			
Strong grey post, mixed with iron- stone girdles ...	1	0	2			
Mild dark grey metal, mixed with post and ironstone girdles ...	0	3	0			
Black stone or metal..	0	4	0			
Thill ...	0	1	0			
Grey metal ...	0	0	11			
Grey metal, with post girdles ...	0	3	0			

Carried forward 7 0 7 49 4 10

\* Approximate sea level (Ordnance datum).

## No. 1,706.—SEATON DELAVAL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	7	0	7	49	4	10	Brought forward	20	5	9	64	2	3
Whin ...	0	1	0				Grey scamy post ...	0	0	9			
Grey metal stone ...	1	2	0				Grey metal ...	0	3	6			
Grey post girdles, with metal partings	1	2	0				<b>COAL—Hartley</b>						
Blue metal, with iron- stone girdles ...	0	5	0				Stone Coal ...	0	2	0	21	1	9
Grey scamy post gir- dles, with metal partings ...	0	3	11				Thill stone ...	0	1	0			
Whin ...	0	1	0				Grey metal ...	0	3	1			
Strong grey metal stone ...	0	5	0				Grey scamy post ...	1	2	10			
Blue metal, with iron- stone girdles ...	0	4	0				Blue metal ...	1	0	0			
<b>COAL—Yard Seam</b>	0	3	1				Grey metal stone ...	3	0	1			
Thill ...	0	3	10	13	3	7	Strong grey post, with partings ...	1	1	0			
<b>COAL</b> ...	0	6					Blue metal, with iron- stone girdles ...	0	2	3			
Black thill ...	0	6					Black thill ...	0	0	9			
<b>COAL</b> ...	1	0					<b>COAL—Low Main</b>						
	0	2	0				Seam ...	0	2	6			
Strong thill stone ...	0	1	0								8	1	6
Mild white post, with partings ...	2	0	3								93	5	6
Strong white post ...	1	2	7				<i>Sunk further for</i>						
Dark grey post ...	1	1	7				<i>Sump:—</i>						
Black stone, mixed with coal ...	0	4	5				Thill stone ...	1	1	0			
Thill ...	0	1	0				Grey metal ...	1	3	0			
Grey metal stone ...	1	5	2				Grey metal, with post girdles ...	0	4	0			
Strong white post, very hard and coarse	12	1	6				White post, with me- tal partings ...	2	0	0			
Plum pudding or Mag- gie post ...	0	1	6				Blue metal ...	0	0	6			
Grey metal ...	0	0	6				Strong white post ...	1	1	6			
Carried forward	20	5	9	64	2	3	Strong white post, with coal pipes ...	0	4	0			
							Blue metal, with gir- dles ...	4	0	4			
							<b>COAL</b> ...	0	0	2			
							Strong grey metal ...	0	2	0	11	4	6
							Total ...				105	4	0

## No. 1,707.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. , Long.

*Sunk and bored from the Low Main Seam, Two Pillars West of the Engine Pit,  
Seaton Delaval Colliery.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
<i>Sunk for Staple, water level drift:—</i>							Brought forward	1	1	10			
Grey thill ...	1	1	10				Grey metal, mixed with post girdles ...	2	1	3			
Carried forward	1	1	10				Carried forward	3	3	1			

## No. 1,707.—SEATON DELAVAL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	3	1				Brought forward				11	5	0
Grey post, with metal partings ...	1	0	7				<i>Bored further:—</i>						
Strong white post ...	3	3	0				Blue metal ...	1	4	8			
Blue metal, with ironstone girdles ...	3	4	4				White post ...	0	2	9			
							Grey scamy post ...	4	0	1			
				11	5	0					6	1	6
Carried forward				11	5	0	Total ...				18	0	6

N.B.—The stone drift to engine is 10 fms. 4 ft. 4 ins. below *Low Main Seam*.

## No. 1,708.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 54° 4' 52", Long. 1° 31' 56".

*Account of Strata sunk through in the E and F Pits, Seaton Delaval Colliery, from the surface to the Yard Coal Seam.*

Approximate surface level 110 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset ...				4	1	8	Brought forward				31	1	10
Mild brown clay ...	2	4	0				Grey metal ...	0	3	3			
Sand, with water ...	0	5	3				Strong grey post ...	0	5	0			
Strong brown clay ...	8	0	0				Grey metal ...	1	4	11			
Grey metal ...	0	3	0				Black stone ...	1	1	3			
Broken post ...	0	3	8				<b>COAL</b> ...	0	0	9			
<b>COAL</b> ...	0	1	0								4	3	2
				12	4	11	Thill ...	0	2	0			
Thill ...	0	1	0				Grey metal ...	0	3	0			
Mild grey post {	1	0	5				Whin ...	0	2	6			
	0	1	7			*	Strong grey metal, with ironstone girdles ...	4	1	2			
Grey metal ...	1	3	4				<b>COAL</b> ...	0	3	0			
Grey scamy post ...	0	1	7								5	5	8
Grey metal ...	0	5	6				Black stone, mixed with coal ...	1	0	0			
<b>COAL</b> ...	0	2	6				Thill ...	0	2	0			
				4	3	11	Grey metal stone ...	5	2	3			
Grey metal ...	0	5	1				Grey metal and post girdles ...	8	2	9			
White post, with water	5	4	6				Grey metal ...	5	3	7			
<b>COAL</b> ...	0	0	6				<b>COAL—Grey Seam</b> ...	0	0	3			
				6	4	1					20	4	10
Thill ...	0	1	6										
Mild cashy post ...	1	3	0										
Whin ...	0	3	0										
Grey metal ...	0	3	0										
<b>COAL</b> ...	0	0	9										
				2	5	3							
Carried forward				31	1	10	Carried forward				62	3	6

\* Approximate sea level (Ordnance datum).

## No. 1,708.—SEATON DELAVAL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				62	3	6	Brought forward	5	4	0	62	3	6
Thill ... ..	0	1	4				Strong grey post ...	1	2	0			
Strong white post ...	0	1	4				Grey post, with metal						
Grey metal, with water	0	0	3				partings ... ..	1	3	0			
Strong with post ...	0	3	5				Whin ... ..	0	5	0			
Whin ... ..	0	1	5				Blue metal, with whin						
Grey scamy post, with							girdles ... ..	0	1	4			
partings ... ..	1	1	0				Grey metal stone, with						
Grey metal stone ...	1	4	0				post girdles ...	0	5	6			
Blue metal ... ..	0	1	3				Strong blue metal						
Black stone, with iron-							stone ... ..	1	0	9			
stone girdles ...	0	4	0				<b>COAL</b> —Yard Coal						
Thill ... ..	0	1	6				Seam ... ..	0	2	9			
Grey metal ... ..	0	2	6								12	0	4
Carried forward	5	4	0	62	3	6	Total ... ..				74	3	10

## No. 1,709.—SEATON DELAVAL.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 73 of Ordnance Map. Lat. 55° 6' 53'', Long. 1° 32' 35''.

*Account of Strata sunk through at the Forster Pit, Seaton Delaval. May 11th, 1859 to 1860.*

Approximate surface level 75 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	1	0				Brought forward				11	1	6
Coarse brown clay ...	1	2	0				Seggar clay ... ..	0	4	0			
Fine brown clay ...	1	3	0				Post girdle ... ..	0	0	10			
Coarse stony blue clay	2	3	0				Blue metal ... ..	0	2	4			
Fine fire clay ... ..	0	5	0					0	0	8			*
Scamy post girdles ...	0	0	11				Cashy post ... ..	0	2	5			
Blue metal ... ..	0	1	4				Whin girdle ... ..	0	1	0			
Post girdle ... ..	0	1	3				Blue metal ... ..	0	3	9			
Blue metal ... ..	0	0	6				<b>COAL</b> ... ..	0	0	5			
Post girdle ... ..	0	0	7								2	3	5
Blue metal ... ..	0	2	0				Strong thill ... ..	0	3	5			
<b>COAL</b> ... ..	0	1	1				Seggar clay ... ..	0	3	2			
				7	3	8	Grey post ... ..	2	0	5			
Thill ... ..	0	4	0				Grey metal ... ..	2	5	6			
Grey metal ... ..	0	2	8										
Post girdle ... ..	0	2	6										
Strong grey metal ...	0	1	4										
Post girdle ... ..	0	2	3				<b>COAL</b> ... ..	1	6 $\frac{1}{2}$				
Blue metal ... ..	1	2	7				Band ... ..	0	2				
<b>COAL</b> ... ..	0	0	6				<b>COAL</b> ... ..	1	6 $\frac{1}{2}$				
				3	3	10					0	3	3
Carried forward	11	1	6								6	3	9
							Carried forward				20	2	8

\* Approximate sea level (Ordnance datum).



## No. 1,709.—SEATON DELAVAL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
				20	2	8					67	0	7	
Brought forward								Brought forward						
Soft thill stone	0	5	10					White post (crib bed)	0	4	0			
Strong stone, with ironstone balls	0	5	8					Grey metal	0	5	0			
Grey metal	0	3	10					White post	1	4	0			
Grey post	0	2	0					Blue metal, with post girdles	1	1	0			
Blue metal	0	0	10					Black metal, very jointy	1	5	6			
Post girdle	0	0	11					White post, mixed with whin	1	4	6			
Blue metal	0	0	2					Blue metal and post girdle	1	3	6			
Post girdle	0	0	6					White post, mixed with whin	3	5	10			
Blue metal	0	0	10					Blue metal	0	1	10			
COAL	0	1	1					COAL—Yard Seam	0	3	4			
				3	3	8					14	2	6	
Post girdle	0	0	2					Seggar clay	0	3	0			
Blue metal	0	0	2					Grey metal, the bottom mixed with post girdles	3	0	0			
White post, whin 9 ft. three parts round pit	2	5	0					COAL	0	1	2			
Strong white post	1	3	0								3	4	2	
Blue metal	0	0	8					Grey metal	5	1	7			
White post	0	1	0					COAL—Bensham Seam	0	2	11			
Black stone, with post girdle	0	4	5								5	4	6	
Grey metal, with post girdle	2	4	0					Slaty band	0	0	11			
Mussel bed	0	2	0					Black metal, mixed with post	0	0	6			
Black stone	1	0	0					Strong white post	2	2	2			
COAL	0	1	2					COAL	0	2	4			
				9	3	7					2	5	11	
Dark post	2	3	10					Grey metal	1	0	0			
Blue metal	1	4	0					Post girdles and metal partings	2	1	0			
High Main Seam—								Blue metal, with iron girdles	1	4	10			
COAL, good	0	6						COAL	0	0	5			
Splint	0	4									5	0	3	
COAL, good	1	6						Post girdles, with metal partings	1	2	2			
Band	0	2						COAL	0	1	4			
COAL, good	1	8						Strong dark grey metal	1	0	0			
				5	0	0		Strong white post	1	0	0			
Grey thill	3	3	0					Whin girdle	0	1	6			
Grey metal	3	4	10					Strong white post	1	1	6			
Whin, 14 ft. on one side and 5 ft. on the other side of pit	5	2	2					Whin girdle	0	1	0			
Grey post, with metal partings	5	2	2					Strong white post, with whin balls	1	2	4			
White post, walled 3 ft. in	0	4	0					Mussel bed	0	0	11½			
Black stone	0	5	4					COAL	0	0	11½			
Grey post, with blue and yellow balls	3	2	6								6	4	1	
Grey post, strong and coarse	1	5	8					Grey metal, with post girdle	3	4	2			
COAL	0	5	8					White post	0	1	0			
				25	5	4		Whin	0	2	0			
Grey thill	0	2	2					White post	0	3	0			
Post girdle, with metal partings	2	0	10					Dark grey metal	0	1	0			
COAL	0	0	4											
				2	3	4								
Carried forward	67	0	7					Carried forward	4	5	2	105	4	0

## No. 1,709.—SEATON DELAVAL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	4	5	2	105	4	0
White post ...	...	0	2	10		
Dark grey metal ...	...	0	1	0		
Strong white post ...	...	2	3	3		
<i>Low Main Seam—</i>						
	Ft.	In.				
COAL, grey	0	4 $\frac{1}{2}$				
COAL, good	3	3 $\frac{1}{2}$				
Parting.						
COAL, good	1	7				
Parting.						
COAL, good	0	6				
			0	5	9	
				9	0	0
						114 4 0
<i>Sump :—</i>						
COAL, mixed with						
black stone ...	...	0	3	0		
Dark grey metal ...	...	0	4	10		
COAL ...	...	0	0	4		
				1	2	2
Strong grey metal,						
with post girdle ...	...	1	1	5		
Whin girdle ...	...	0	0	4		
Carried forward	1	1	9	116	0	2

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	1	9	116	0	2
Dark grey metal, with						
post girdle ...	...	0	5	5		
Mussel bed ...	...	0	0	4		
Dark grey metal ...	...	2	1	10		
Mussel bed ...	...	0	0	2		
Soft dark grey metal,						
with post girdles ...	...	0	4	10		
Soft grey metal ...	...	0	1	6		
<i>Plessy Seam—</i>						
	Ft.	In.				
COAL ...	1	2				
Band ...	0	1				
COAL ...	1	3				
Band ...	0	3				
COAL ...	0	9				
Band ...	0	1				
COAL ...	2	0				
			0	5	7	
						6 3 5
						0 1 6
Thill ...	...					
Total ...	...		122	5	1	

## No. 1,710.—SEGHILL.

TOWNSHIP OF SEGHILL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. , Long.

Bored near Seghill North Boundary, by Thomas Wake. 1700.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Earth ...	0	5	0				Brought forward	1	2	0	6	5	0
Grey stone ...	1	2	0				Grey post ...	1	0	0			
Strong post ...	1	5	0				Blue stone ...	1	0	0			
Grey metal ...	1	5	0				Black metal ...	0	2	0			
							Grey stone ...	0	3	0			
	Ft.	In.					Post girdles ...	0	5	0			
COAL ...	2	6					Black metal ...	1	0	0			
Metal ...	1	6					Black metal ...	1	1	0			
COAL ...	2	0					COAL ...	0	4	0			
			1	0	0						7	5	0
					6	5	0	Grey thill ...			0	3	0
Grey thill ...	0	2	0										
White post ...	1	0	0										
Carried forward	1	2	0	6	5	0	Total ...				15	1	0

## No. 1,711.—SEGHILL.

TOWNSHIP OF SEGHILL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 3' 29", Long. 1° 33' 27".

*First Hole bored at Seghill, about 440 yards to the South-west of the Old Hall, by George Rawlings, junior. May 6th, 1809.*

Approximate surface level 157 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay... ..	0	5	0				Brought forward	10	0	4	25	3	8
Blue stony clay ... ..	2	4	0				<i>Grey Seam—</i>						
Grey metal stone (3 fathoms of round boxes put in) ... ..	1	5	5				<i>COAL</i> ... ..	0	6				
Black shivery metal... ..	0	2	10				<i>COAL</i> , coarse splinty, with water ... ..	2	8				
<b>COAL</b> ... ..	0	1	2							0	3	2	
				6	0	5					10	3	6
Grey metal ... ..	1	1	7				Grey metal ... ..	1	0	0			
Brown post ... ..	4	3	0				Grey metal stone ... ..	2	3	10			
Grey metal stone, with strong grey post girdles and water near the bottom ... ..	5	3	6				<b>COAL</b> ... ..	0	1	3			
Dark grey metal ... ..	1	4	6								3	5	1
							Grey metal ... ..	0	1	0			
<b>COAL</b> , with water ... ..	1	0					Strong grey metal stone ... ..	1	1	0			
<b>COAL</b> , foul... ..	0	4					Dark grey shivery metal ... ..	0	5	6			
				0	1	4	Grey metal ... ..	0	1	6			
							White post, with water	0	4	0			
				13	1	11	Strong white post, mixed with whin ...	0	0	3			
Grey metal and metal stone, with post girdles and water ... ..	1	5	2				White and grey post	1	4	6			
Whin (2 shifts) ... ..	0	0	5				Grey metal, with hard girdles ... ..	1	0	10			
Grey metal stone, with post girdles ... ..	2	2	6				Darkish metal, scared with coal ... ..	0	4	0			
Black grey metal ... ..	0	0	3				Whitish grey post ... ..	1	4	6			
<b>COAL</b> (rather brassy near the top)— <i>High Main Coal Seam</i> ... ..	0	3	0				Whin (22 shifts) ... ..	0	2	6			
				4	5	4	White and grey post, with black scares ...	0	1	6			
Grey metal, with some scares of coal ... ..	1	0	0				Black stone ... ..	0	0	6			
<b>COAL</b> , with scares of metal ... ..	0	2	0				Darkish grey post ... ..	0	1	6			
				1	2	0	White post, mixed with whin girdles and beds of metal stone	2	1	2			
Soft grey metal ... ..	0	1	6				Whitish post, with grey scares ... ..	0	2	2			
Grey metal stone, with girdles (29 fms. 4 ft. round boxes put in) ... ..	0	1	10				<i>Yard Coal—</i>						
Whin mixture (eight shifts) ... ..	0	2	2				<b>COAL</b> , with water ... ..	2	0				
Grey metal and metal stone, with strong post girdles and water near the bottom	4	0	0				<b>COAL</b> , coarse splinty ... ..	0	4				
Strong white post ... ..	0	4	0							0	2	4	
Grey metal ... ..	0	3	10								12	2	9
							Grey metal ... ..	0	3	0			
Carried forward	10	0	4	25	3	8	Grey metal stone, with post girdles ... ..	1	4	8			
							White post ... ..	0	4	6			
							Grey metal ... ..	0	0	4			
							Carried forward	3	0	6	52	3	0

\* Approximate sea level (Ordnance datum).

## No. 1,711.—SEGHILL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	0	6	52	3	0	Brought forward	65	4	9			
<b>COAL</b> ...	Ft.	In.					Grey metal, with small						
Grey metal, mixed with coal	1	0					scars of coal	0	1	0			
				0	2	0	Dark grey metal, mixed with coal	0	0	6			
							Grey metal	0	2	6			
						3 2 6	Grey metal stone, with girdles	2	0	3			
Grey metal				0	1	0	<b>COAL</b>	0	0	8			
Grey metal stone, with post girdles	4	3	0								2	4	11
Whin and white post mixture (5 shifts)	0	1	2				Grey metal and metal stone, with thin post girdles	2	3	4			
Whin (14 shifts)	0	3	6				Soft grey metal	1	2	6			
Strong grey metal stone	3	1	6				White post	3	2	6			
Grey metal	0	1	1				Whin and white post mixture	0	4	6			
<i>Hartley Stone Coal—</i>							Strong white post	2	0	0			
<b>COAL</b> ...	Ft.	In.					Whin mixture	0	0	5			
Dark grey metal	0	2					In strong white post	0	2	0			
<b>COAL</b> , splinty with small white scars	1	9									10	3	3
Grey metal, with some small scars of coal	1	0											
<b>COAL</b> , with a small feeder of water near the top	2	3											
<b>COAL</b> , foul	0	3											
				1	0	0							
						9 5 3							
Carried forward				65	4	9	Total	...	...	79	0	11	

## No. 1,712.—SEGHILL.

TOWNSHIP OF SEGHILL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 4' 7", Long. 1° 32' 33".

*Account of the Second Hole bored in Seghill Estate, about 150 yards to the West from the Mare Close, and in the North-east corner of the West Haugh Field, by George Rawlings, junior. August 10th, 1809.*

Approximate surface level 132 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	2	0				Brought forward	0	5	0			
Sand, with water ...	0	3	0				Stony clay, with whin tumblers ...	6	1	9			
											7	0	9
Carried forward	0	5	0				Carried forward				7	0	9



## No. 1,712.—SEGHILL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				7	0	9							
Brown post, with open gullets and set away the water at 11 fathoms ...	6	4	6										
Grey metal, with white post girdles ...	2	1	0										
White post, with water	1	4	0										
Dark grey metal ...	2	3	0										
COAL, with a strong feeder of water ...	0	0	9										
				13	1	3							
Grey metal, with water	0	5	6										
Strong grey post girdles and metal stone, with water ...	0	4	6				*						
Mixture whin (3 shifts)	0	1	4										
Blue grey post, with water ...	0	3	8										
Soft brownish grey metal, with a strong feeder of water ...	1	2	0										
<i>High Main Seam—</i>													
COAL, with water ...	3	0											
Dark grey metal ...	0	2											
COAL ...	0	1											
Shivery dark metal, mixed with coal ...	0	9											
COAL, foul slaty, with bands of metal ...	1	8											
				0	5	8							
				8	0	8							
Grey metal, with small scares of coal ...	0	0	6										
COAL, foul and brassy, mixed with metal ...	0	0	5										
Grey metal, scared with coal ...	0	4	0										
COAL, foul slaty ...	0	1	0										
				0	5	11							
Grey metal, with post girdles and water ...	2	3	5										
Bluish and whitish grey post, with water and hard whin girdles ...	9	0	3										
Grey metal, with post girdles ...	0	4	0										
White post ...	2	2	0										
Dark grey metal, with post girdles ...	0	0	2										
Carried forward	14	3	10	29	2	7							
Brought forward	14	3	10	29	2	7							
<i>Grey Seam—</i>													
COAL, with water ...	3	4											
Grey metal ...	1	0											
COAL, with a hard brassy band at 26 inches from the top ...	2	8											
				1	1	0							
				15	4	10							
Black metal, mixed with foul coal ...	0	0	6										
Grey metal ...	0	4	0										
Grey post ...	4	4	0										
Bluish grey metal and thin whin girdles ...	1	0	0										
Black metal ...	0	3	0										
Blue metal and metal stone ...	1	3	0										
Strong white post ...	0	3	0										
Whin (got Oct. 13th, through Oct. 27th, 26 shifts) ...	0	1	8										
White post, with partings of metal ...	0	3	0										
Grey metal and metal stone, with ironstone girdles or lumps ...	2	0	0										
COAL, with sulphur in the middle—													
<i>Yard Coal</i> ...	0	2	5										
				12	0	7							
Grey metal ...	0	1	6										
Grey metal stone, with post girdles ...	2	4	6										
Strong white post, mixed with whin in some places ...	3	3	0										
Whin and white post mixture ...	0	1	3										
White post ...	5	1	1										
Grey metal ...	0	0	9										
Grey metal, mixed with coal ...	0	2	3										
Grey metal ...	0	2	3										
COAL ...	0	1	8										
				13	0	3							
Grey metal ...	0	5	0										
Grey metal stone ...	0	3	0										
A dun white girdle ...	0	0	5										
Grey metal stone ...	0	5	0										
White post ...	0	3	6										
Whin and white post mixture ...	0	0	8										
				2	5	7							
Total ...				73	1	10							

\* Approximate sea level (Ordnance datum).

## No. 1,713.—SEGHILL.

TOWNSHIP OF SEGHILL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 3' 47", Long. 1° 33' 2".

*Account of Third Hole bored in Seghill Estate, about midway between the First and Second Holes, by George Rawlings, junior. August 15th, 1810.*

Approximate surface level 150 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.		
Soil ...	...	...	0	1	0		Brought forward	13	4	2	21	1	10		
Sandy ramble ...	...	...	0	2	0		<b>COAL</b> , with water								
					0	3	0	near the top and							
Brown post, with							small scars of brass								
sandy partings and							in some places—								
a strong feeder of							<i>Grey Seam</i> ...	0	3	10					
water ...	...	...	0	4	0					14	2	0			
<b>COAL</b> ...	...	...	0	0	4		Grey metal ...	...	...	0	3	0			
					0	4	<b>COAL</b> ...	...	...	0	0	8			
Brown post, with part-												0	3	8	
ings ...	...	...	2	2	8		Grey metal stone, with								
Grey metal and metal							strong white post								
stone, with girdles			9	2	0		girdles ...	...	...	3	4	6			
<b>COAL</b> ...	...	...	0	1	2		Black metal stone, with								
					11	5	hard whin girdles...	...	...	2	0	0			
Grey metal stone, with							<b>COAL</b> ...	...	...	0	1	3			
girdles ...	...	...	0	4	0							5	5	9	
White thready post							Grey metal ...	...	...	0	1	0			
and set away the							Grey metal stone, with								
water ...	...	...	0	3	8		white post girdles								
Whin (4 shifts) ...	...	...	0	0	5		and water ...	...	...	3	1	9			
Grey metal stone and							<b>COAL</b> , with water...	...	...	0	2	0			
grey metal with												3	4	9	
post girdles ...	...	...	4	1	3		Grey metal ...	...	...	0	1	0			
Darkish grey metal ...	...	...	0	4	0		Grey metal stone, with								
<b>COAL</b> , foul, with							beds of white and								
water ...	...	...	0	1	0		grey post with water	...	...	2	1	6			
Dark grey and black							<b>COAL</b> — <i>Yard Coal</i>	...	...	0	1	3			
metal, with scars												2	3	9	
of coal ...	...	...	1	1	0		Grey metal stone, with								
<b>COAL</b> , with scars							girdles near the top	...	...	4	0	0			
and bands of metal							Whin mixture ...	...	...	0	0	10			
— <i>High Main Coal</i>	...	...	0	3	4		Grey metal stone, with								
					8	0	post girdles ...	...	...	4	1	5			
Darkish grey metal ...	...	...	0	4	0		White post ...	...	...	2	0	0			
Grey metal stone, with							Grey metal stone, with								
post girdles and			3	0	2	*	thin white post								
metal partings ...			4	2	0		girdles ...	...	...	0	5	0			
Dunnish white post...	...	...	0	2	6										
Dun whin mixture (6															
shifts) ...	...	...	0	0	11										
Strong grey post, with															
water ...	...	...	5	0	7										
Carried forward	13	4	2	21	1	10	Carried forward	11	1	3	48	3	9		

\* Approximate sea level (Ordnance datum).

## No. 1,713.—SEGHILL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	11	1	3	48	3	9	Brought forward	61	0	0			
<i>Hartley Stone Coal—</i>							<i>Bored further:—</i>						
COAL, coarse	Ft.	In.					Strata	9	4	3			
splinty	2	9					<i>Hartley Main Coal</i>						
COAL, foul,							<i>or 5/4 Seam</i>	Ft.	In.				
with black							COAL, with						
metal	0	4					water	1	9				
Darkish grey							Grey metal	0	9				
metal	1	3					COAL	0	10				
COAL	2	4					Grey metal,						
COAL, foul	0	4					scared with						
			1	1	0		coal	0	9				
				12	2	3	COAL, coarse						
							splinty	0	3				
							COAL	1	4				
									0	5	8		
											10	3	11
Carried forward				61	0	0	Total				71	3	11

## No. 1,714.—SEGHILL.

TOWNSHIP OF SEGHILL, NORTHUMBERLAND.

Sheet 80 of Ordnance Map. Lat. 55° 3' 35", Long. 1° 33' 57".

*Account of the Fourth Hole bored to the Coal Seams in Seghill Estate, about 560 yards West from the Quarry at the West End of the Town Street, on the South side of the Road and in the North corner of Loaning End Close. June 2nd, 1823.*

Approximate surface level 164 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward				14	1	2
Brown strong clay ...	0	5	0				Grey metal ...	0	1	4			
Blue stony clay ...	3	3	0				White post girdles						
				4	3	0	and beds of metal						
<b>COAL</b> , foul...	0	0	6				stone ...	1	0	6			
Black slaty metal ...	0	0	6				Whin ...	0	0	7			
<b>COAL</b> ...	0	1	3				Dark grey metal and						
				0	2	3	metal stone with						
Grey metal, scared							girdles ...	3	4	11			
with <i>coal</i> the first							<b>COAL</b> , brass and foul	0	1	5			
6 inches ...	1	1	0								5	2	9
Brown post and part-							Grey metal and metal						
ings, and water at							stone ...	2	0	0			
10 feet from the top	6	0	0				Black grey metal ...	0	2	6			
Blue metal and metal							<b>COAL</b> , with scares of						
stone ...	2	0	6				brass— <i>High Main</i>						
<b>COAL</b> , foul brassy...	0	0	5				<i>Coal</i> ...	0	2	3			
				9	1	11							
											2	4	9
Carried forward				14	1	2	Carried forward				22	2	8

## No. 1,714.—SEGHIIL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
				22	2	8								
Brought forward							Brought forward	7	0	10	40	4	4	
Grey metal stone, with thin girdles for 2 fathoms and some scares of coal near the top ...	4	2	4				Black stone ...	0	1	0				
Grey metal, mixed with coal ...	0	1	6				Strong metal stone, with white post girdles ...	1	4	0				
Grey metal ... {	0	1	6				Dark metal stone ...	0	1	0				
	0	2	6			*	Strong grey post, with hard white post and whin girdles ...	0	4	0				
Dark blue metal ...	0	1	6				Grey metal stone, with hard girdles ...	5	0	0				
COAL, soft foul, mixed with metal, except the last 6 inches ...	0	2	5				White post ...	0	1	0				
Grey metal ...	0	5	0				Grey metal ...	0	0	9				
COAL ...	0	0	3				COAL—Yard Coal	0	2	6				
Grey metal and metal stone, with post girdles ...	3	4	4								15	3	1	
Blue grey metal stone, inclining to post, with metal partings	4	0	6				Darkish grey metal ...	0	0	6				
White post ...	0	4	0				Grey metal stone, with post girdles ...	1	1	0				
Grey and dark grey metal ...	1	0	8				COAL, foul ...	0	1	8				
Black slaty metal stone ...	0	1	3				Grey metal and metal stone, with post girdles and water ...	9	0	5				
Grey Seam—	Ft.	In.					Hartley Stone Coal—							
COAL ...	0	8						Ft.	In.					
COAL, danty, mixed with black metal	0	2					COAL ...	0	6					
COAL, mixed with black stone and sulphur ...	2	5					Black slaty metal, mixed with coal ...	0	2					
Dark grey metal ...	0	2					COAL, with water and small white scares, rather soft and danty from 8 to 12 ins.	1	6					
COAL, mixed with black stone and sulphur ...	0	3					COAL, foul brassy ...	0	3					
Grey metal ...	4	9					COAL ...	0	3					
COAL ...	1	6					Dark grey metal ...	1	1					
			1	3	11		COAL, with water ...	2	1					
Grey metal ...	1	1	0			18	1	8						
Grey post, with partings and water ...	1	3	8				COAL, soft foul ...	0	5					
Dark metal, with scares of coal ...	0	3	10							1	0	3		
Whitish grey post ...	1	4	0									11	3	10
Whin (18 shifts) ...	0	2	4				Grey metal, with thin girdles near bottom	0	4	6				
Strong white post and beds of metal stone, with water ...	1	4	0				COAL ...	0	0	2				
							Grey metal, with iron-stone girdles ...	2	1	0				
Carried forward	7	0	10	40	4	4	Blackish metal, mixed with foul coal ...	0	0	8				
							Grey metal ...	1	1	0				
							White post ...	0	2	3				
							In whin girdles ...	0	0	3				
												4	3	10
							Total ...				72	3	1	

\* Approximate sea level (Ordnance datum).



## No. 1,715.—SEGHILL.

TOWNSHIP OF SEGHILL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 4' 33", Long. 1° 32' 38".

*Account of the Fifth Hole in Seghill Estate, about 700 yards North-east from the First Hole, 14 yards from the North-east boundary, and 100 yards South from the North-east angle of Wellfield 450 West from Whitridge. June 19th, 1823.*

Approximate surface level 147 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and sandy clay ...	0	1	6				Brought forward	1	1	5	26	1	7
Brown and blue sandy clay ...	0	4	6				Grey metal stone ...	0	4	0			
Stony clay, with scares of sand ...	2	1	3				Dark grey and black metal, scared with coal ...	0	4	6			
Blue grey whin tumblers ...	0	1	0				<b>COAL</b> ...	0	0	6			
Blue stony clay ...	9	3	9				Grey metal, with some small scares of coal	1	0	0			
Brown post, with sandy partings and a little water	3	0	0				Grey metal stone ...	1	0	0			
Grey metal ...	0	1	6				Bluish grey post, with water ...	7	2	9			
Dark grey metal, with dun girdles	1	5	0				Grey metal stone, inclining to post, with water ...	0	5	0			
<b>COAL</b> ...	0	0	9				Strong white post ...	5	5	4			
				18	1	3							
Whitish grey metal	1	0	0				<i>Grey Seam—</i>						
Metal, with beds of grey post ...	0	4	6				<b>COAL</b> , with sulphur the last 6 ins.	4	4				
Blue grey jointy whin (4 shifts) ...	0	0	10				Dark grey metal ...	0	7				
Grey metal stone, with post girdles	3	4	5				<b>COAL</b> ...	2	10				
Softish white grey metal ...	0	2	0							1	1	9	
<b>COAL—High Main Coal</b> ...	0	2	0								20	1	3
				6	1	9							
Grey metal, scared with coal ...	1	4	3				Dark metal, mixed with coal at top ...				0	1	2
<b>COAL</b> , foul... ..	0	0	4										
				1	4	7							
Grey metal ...	0	1	5										
Blue, grey, and white post ...	1	0	0										
Carried forward	1	1	5	26	1	7	Total ...				46	4	0

\* Approximate sea level (Ordnance datum).



## No. 1,716.—SEGHILL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				60	2	8	Brought forward	9	0	9	60	2	8
Dark grey metal ...	0	2	0				<i>Hartley Main Coal or</i>						
Grey metal stone, with							<i>5/4 Seam—</i>	Ft.	In.				
thin girdles ...	1	2	0				<b>COAL</b> ...	1	10				
Beds of strong white							Grey metal						
post, mixed with							stone ...	1	0				
whin and beds of							<b>COAL</b> ...	0	6				
metal stone, with							Grey metal ...	0	4				
water ...	1	5	6				<b>COAL</b> , with						
Whin and white post							a small scare						
mixture (10 shifts)	0	1	5				of brass at						
Grey metal stone ...	1	0	0				6 ins. from						
Whin (5 shifts) ...	0	0	6				the top ...	1	3				
Grey metal stone, with							<b>COAL</b> , with						
post girdles ...	3	5	0				a small me-						
Grey metal ...	0	1	0				tal band at						
<b>COAL</b> , foul ...	0	0	4				4 ins. from						
Grey metal ...	0	1	0				the top ...	0	6				
										0	5	5	
													10 0 2
							Dark grey metal,						
							scared with <i>coal</i> ...	0	0	4			
							In grey metal stone...	0	4	0			
											0	4	4
													71 1 2
							<i>Bored further :—</i>						
							Strata ...				15	3	4
Carried forward	9	0	9	60	2	8	Total ...				86	4	6

## No. 1,717.—SEGHILL.

TOWNSHIP OF SEGHILL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. , Long.

*Account of Boring made in Seghill Estate, East of Cramlington Wagonway, near the Burn side. 1826.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	4	6				Brought forward	3	2	8	15	1	10
Sand ...	0	4	6				Grey metal, mixed						
Stony clay ...	5	3	11				with post and water	0	4	0			
Brown post, with							White post ...	0	2	0			
water ...	5	1	0				Grey whin ...	0	4	9½			
White post ...	2	2	8				White post ...	0	4	4½			
Blue metal ...	0	2	5				Grey metal, with thin						
<b>COAL</b> ...	0	0	10				post girdles and						
				15	1	10	water ...	3	3	11			
Grey metal, mixed							<b>COAL</b> , rather soft—						
with white post							<i>High Main Seam</i> ...	0	4	2			
girdles ...	0	4	8								10	1	11
Black stone ...	1	2	6				Dark grey metal, with						
Grey metal, mixed							<i>coal pipe</i> scares ...	0	1	10			
with post girdles ...	1	1	0				Grey metal ...	0	0	7			
Whin girdle ...	0	0	6								0	2	5
Carried forward	3	2	8	15	1	10	Total ...				26	0	2

## No. 1,718.—SEGHILL.

TOWNSHIP OF SEGHILL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 4' 2", Long. 1° 32' 54".

*An Account of the Strata sunk through in the Engine Pit, Seghill Colliery. (From John Fryer's Account, which was taken from the original papers.)*

Approximate surface level 130 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset ...	...	...	1	1	0		Brought forward				49	0	3
Blue clay ...	...	...	14	0	0		Grey metal ...	...	0	4	9		
Freestone ...	...	...	0	0	6		Blue metal ...	...	0	4	6		
Blue metal ...	...	...	1	0	0		Post girdle ...	...	0	0	6		
<b>COAL—High Main</b>							Blue metal ...	...	0	4	7		
Seam ...	...	...	0	2	6		Strong white post,						
							with water ...	...	9	1	4		
				16	4	0							
Blue metal ...	...	...	1	4	0		<b>Bensham Coal—</b>						
<b>COAL</b> ...	...	...	0	0	3		<b>COAL</b> ...	Ft. In.					
Grey metal ...	...	...	0	2	6			2	7				
Blue metal ...	...	...	1	0	0		Black band..	1	8				
<b>COAL</b> ...	...	...	0	0	5		<b>COAL</b> ...	1	6				
Grey metal ...	{		1	4	10	*				0	5	9	
	{		1	1	2								
Strong white post ...	...	...	12	4	10						12	3	5
<b>Grey Seam—</b>							Grey metal, with thin						
<b>COAL</b> ...	Ft. In.						post girdles and						
Blue band ...	0	6					scares of whin ...	5	2	2			
<b>COAL</b> ...	3	4					Whin girdle ...	...	0	0	5		
			1	1	2		Dark grey metal, with						
							scares of post ...	0	4	7			
Blue metal ...	...	...	0	3	3		Whin girdle ...	...	0	0	2		
<b>COAL</b> ...	...	...	0	0	5		Dark grey metal ...	...	1	2	11		
Blue metal ...	...	...	0	2	6		Whin girdle ...	...	0	0	2		
Post girdle ...	...	...	0	1	2		Grey metal ...	...	0	4	3		
Grey metal ...	...	...	1	2	11								
Post ...	...	...	0	3	9		<b>Five-Quarter Seam—</b>						
Grey metal ...	...	...	1	2	4		<b>COAL</b> ...	Ft. In.					
Whin girdle ...	...	...	0	1	4			1	1				
Grey metal ...	...	...	0	0	4		Dark grey metal	0	11				
Post girdle ...	...	...	0	0	2		<b>COAL</b> ...	1	10				
Post girdle ...	...	...	0	0	2		Dark grey metal	0	10				
Grey metal ...	...	...	1	0	4		<b>COAL</b> ...	0	8				
Black stone ...	...	...	0	4	3		Dark grey metal	0	4				
<b>COAL</b> ...	...	...	0	0	5		<b>COAL</b> ...	1	9				
Grey metal ...	...	...	4	4	9					1	1	5	
<b>COAL—Yard Seam</b>	...	...	0	2	10								
											9	4	1
							Dark grey metal,						
							mixed with thin						
							scares of post ...	0	2	1			
							Grey metal, with post						
							girdles ...	...	0	2	4		
							Post girdle ...	...	0	2	0		
Carried forward													
							Carried forward	1	0	5	71	1	9

\* Approximate sea level (Ordnance datum).



## No. 1,718.—SEGHILL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	0	5	71	1	9
Strong grey metal, with layers of whin and thin post girdles	0	2	9			
Post girdle	0	0	9			
Dark grey metal, with thin post girdles	0	3	6			
Whin girdle	0	0	11			
Grey metal, mixed with thin post gir- dles	0	2	0			
Dark grey metal	0	1	7			
Black stone	0	0	2			
<b>COAL</b>	0	0	4			
Grey metal	0	2	2			
Grey post girdle	0	0	2			
Dark grey metal, mixed with post	0	0	10			
White post	0	0	2			
Dark grey metal, mixed with scarcs of post	0	0	7			
Post	2	2	2			

*Low Main Seam—*

	Ft.	In.
Jet	0	2½
<b>COAL</b>	5	6
	0	5 8½
	7	0 2½

Depth of pit to <i>Low Main Seam</i>	78	1 11½
---	----	-------

*Bored from the Thill  
of the Low Main  
Seam:—*

Sump—blue metal (sunk)	2	0	6
Blue metal	0	1	7
Whin	0	0	6
Blue metal	0	0	10
Grey metal	0	2	8
Post	0	1	4
Grey metal	0	2	11
Whin	0	1	7
Grey metal and post girdles	0	1	7
Blue metal	0	2	7
<b>COAL</b>	0	0	10
	4	4	11

Carried forward 83 0 10½

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				83	0	10½
Grey metal	0	2	2			
Post	1	1	10			
Grey metal	1	2	5			
Post	4	2	10			
Grey metal	0	0	8			
Post	0	1	7			
Grey metal and post girdles	0	5	4			
Dark grey metal	0	2	11			
Dark metal and post girdles	0	5	0			
Grey post	0	4	0			
Grey metal and scarcs of post	0	2	4			
Grey metal	0	3	2			
Post	0	2	9			
Dark grey metal	0	5	6			
Metal, with post	2	2	6			
Dark grey metal	0	4	5			
Dark grey metal and post	1	5	4			
Grey metal	1	2	6			
White post	0	4	7			
Grey metal and post	0	1	5			
Mild white post, with water	5	0	10			
Dark grey metal and girdles	3	5	5			

	Ft.	In.
<b>COAL, coarse</b>	1	0
<b>COAL, good</b>	1	0
	0	2 0

29 5 6

Grey metal	1	1	11
Strong white post	1	4	0
Dark grey metal	2	5	7

	Ft.	In.
<b>COAL, foul</b>	0	1
<b>COAL, good</b>	0	4
	0	0 5
Dark grey metal	0	4 10

6 4 9

Total ... 119 5 1½

## No. 1,719.—SEGHILL.

TOWNSHIP OF SEGHILL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat.  $55^{\circ} 3' 44''$ , Long.  $1^{\circ} 32' 24''$ .*An Account of Strata sunk through in the Success Pit, Seghill Colliery.*

Approximate surface level 130 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and sand ...	1	0	0				Brought forward	5	4	2	10	4	7
Strong blue clay, with large tumbling stones ...	5	0	0				Black metal, with whin girdles ...	2	2	0			
Freestone, with whin and water ...	3	0	0				COAL ...	0	1	3			
Blue metal, with a little water ...	1	4	0								8	1	5
COAL ...	0	0	7				Thill ...	0	3	0			
				10	4	7	Grey metal, with thin girdles ...	2	1	0			*
Thill ...	0	3	0				Black metal ...	0	0	4			
Grey post, with partings of blue metal and water ...	4	0	0				Blue metal ...	1	0	0			
Strong white post, mixed with whin and water ...	1	1	2				Strong grey metal stone ...	1	1	6			
							<i>High Main Seam—</i>						
Carried forward	5	4	2	10	4	7	COAL, good						
							COAL, foul						
								1	0	6			
							Total ...				25	0	5

\* Approximate sea level (Ordnance datum).

## No. 1,720.—SETTLINGSTONES.

TOWNSHIP OF ALLERWASH, NORTHUMBERLAND.

Sheet 84 of Ordnance Map. Lat. , Long.

*Fleetgate or West Frederick Shaft, Settlingstones Mines.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Clay and plate	3	0	0			
Freestone	9	0	0			
Plate	4	0	0			
Limestone	5	3	0			
				21	3	0
Total	21	3	0			

## No. 1,721.—SETTLINGSTONES.

TOWNSHIP OF ALLERWASH, NORTHUMBERLAND.

Sheet 84 of Ordnance Map. Lat. \_\_\_\_\_, Long. \_\_\_\_\_

*Winter's Shaft, Settlingstones Mines.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...	32	0	0				Brought forward	79	1	6			
Grey beds ...	8	3	0				Freestone ...	2	0	0			
Limestone ...	1	0	0				Plate ...	7	3	0			
Whetstone beds (alter- tered shale) ...	0	3	0				Limestone (so-called <i>Jew Limestone</i> ) ...	2	1	6			
<i>Great Whin Sill</i> ...	25	0	0				Freestone ...	1	3	0			
Whetstone beds (alter- tered shale) ...	5	3	0				Plate ...	2	0	0			
Plate ...	3	0	0				Limestone ...	0	3	0			
Limestone ...	1	1	6				Freestone and plate (seven beds) ...	5	0	0			
Plate ...	2	3	0								100	0	0
Carried forward	79	1	6				Total ...				100	0	0

## No. 1,722.—SHEEPWASH.

TOWNSHIP OF SHEEPWASH, NORTHUMBERLAND.

Sheet 64 of Ordnance Map. Lat. \_\_\_\_\_, Long. \_\_\_\_\_

*Sheepwash Estate Borings, adjoining the River Wansbeck. First Hole, at the low end of James Boutflower's Farm. November 11th, 1749.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...	4	3	6			
Stone ...	2	0	3			
Soft metal ...	0	3	0			
Stone ...	0	4	6			
Metal ...	3	5	0			
<b>COAL</b> ...	0	1	0			
				11	5	3
Total ...				11	5	3

## No. 1,723.—SHEEPWASH.

TOWNSHIP OF SHEEPWASH, NORTHUMBERLAND.

Sheet 64 of Ordnance Map.      Lat.      , Long.

*Second Hole, near Anthony Watson's Well, 316 yards to the South-west from the First Hole.*

Approximate surface level      feet above sea (Ordnance datum).

							Fs.	Ft.	In.	Fs.	Ft.	In.
Clay	...	...	...	...	...	...	9	3	6			
Stone	...	...	...	...	...	...	3	2	9			
										13	0	3
Total	...	...	...	...	...	...				13	0	3

## No. 1,724.—SHEEPWASH.

TOWNSHIP OF SHEEPWASH, NORTHUMBERLAND.

Sheet 64 of Ordnance Map.      Lat.      , Long.

*Third Hole, on the middle of the Whinny Haugh, above the Orchard Ford, on the North Bank Edge.*

Approximate surface level      feet above sea (Ordnance datum).

							Fs.	Ft.	In.	Fs.	Ft.	In.
Clay	...	...	...	...	...	...	2	3	0			
Metal	...	...	...	...	...	...	0	4	6			
<b>COAL</b>	...	...	...	...	...	...	0	1	6			
Stone	...	...	...	...	...	...	0	5	2			
Metal	...	...	...	...	...	...	5	4	2			
										10	0	4
Total	...	...	...	...	...	...				10	0	4



## No. 1,725.—SHEEPWASH.

TOWNSHIP OF SHEEPWASH, NORTHUMBERLAND.

Sheet 64 of Ordnance Map. Lat., Long.*Fourth Hole, near the Rock that is in the water side at the head of the Long Trail.*

Approximate surface level      feet above sea (Ordnance datum).

							Fs.	Ft.	In.	Fs.	Ft.	In.
Stone	...	...	...	...	...	...	8	0	0			
<b>COAL</b> , which is the Low Drift	...	...	...	...	...	...	0	1	0			
							<hr/>			8	1	0
										<hr/>		
Total	...	...	...	...	...	...				8	1	0
							<hr/>			<hr/>		

## No. 1,726.—SHERBURN.

TOWNSHIP OF SHERBURN, DURHAM.

Sheet 27 of Ordnance Map. Lat., Long.*Sherburn Borings. First Hole, in South-west corner of Field, about      yards to the      from Mr. Hopper's Farm House. September 22nd, 1828.*

Approximate surface level      feet above sea (Ordnance datum).

							Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	...	...	...	...	...	...	0	0	6			
Blue and yellow stony clay	...	...	...	...	...	...	0	3	0			
Rough gravel and water	...	...	...	...	...	...	0	3	0			
Stony clay	...	...	...	...	...	...	9	5	6			
Whin tumbler	...	...	...	...	...	...	0	0	10			
Blue stony clay	...	...	...	...	...	...	0	1	4			
							<hr/>			11	2	2
										<hr/>		
Total	...	...	...	...	...	...				11	2	2
							<hr/>			<hr/>		

Abandoned on account of whin tumbler.

No. 1,727.—SHERBURN.

TOWNSHIP OF SHERBURN, DURHAM.

Sheet 27 of Ordnance Map. Lat.

Long.

*Second Hole, about 2 feet West from the first Hole. October 6th, 1828.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	0	6									
Blue and yellow stony clay ... ..	0	3	0									
Rough gravel ... ..	0	3	0									
Stony clay ... ..	12	0	0									
				13	0	6						
Post girdle ... ..	0	0	9									
Soft blue and brown metal, with scares of red near the top	2	2	9									
Brown and grey thready and gulletty post, and set away the water, the air also descending raised more water near the bottom ...	4	4	0									
Dun coloured whin ...	0	0	11									
Brown post, with two metal partings and a soft sandy parting of 1 yard at 23½ fathoms down from top of hole ... ..	4	3	9									
Soft metal and metal stone girdles, with water ... ..	1	5	4									
Grey metal stone, in- clining to post, with water ... ..	0	3	0									
Soft brown post, with metal partings and water ... ..	3	0	0									
Soft grey metal, with scares of coal and thin girdles near the bottom ... ..	4	3	6									
Carried forward	22	0	0	13	0	6						

Brought forward	22	0	0	13	0	6
<i>Three-Quarter Seam—</i>						
COAL ... ..	Ft.	In.				
Grey metal ... ..	0	2				
COAL ... ..	0	3				
Dark grey me- tal ... ..	0	2				
COAL ... ..	0	2				
Grey metal, scared with coal ... ..	0	8				
COAL ... ..	0	5				
Grey metal, scared with coal first 5 inches ... ..	1	3				
COAL ... ..	0	2				
Grey metal ... ..	0	7				
COAL ... ..	0	2				
			0	4	6	
						22 4 6
Grey metal ... ..	0	0	2			
<i>Five-Quarter Seam—</i>						
COAL, foul near the bottom ... ..	Ft.	In.				
	3	10				
			0	3	10	
						0 4 0
Grey metal ... ..	0	5	0			
Metal stone ... ..	2	1	0			
Whitish grey post ...	0	5	6			
Whin ... ..	0	0	4			
Grey post, with water	0	4	0			
Blue metal ... ..	0	2	0			
Whitish grey post, with water ... ..	1	1	2			
Stony white post ...	1	4	0			
Whin ... ..	0	1	3			
White post, with a strong feeder of water at 47½ fms....	5	1	3			
				13	1	6
Total ... ..	49	4	6			

Abandoned from having run together.

## No. 1,728.—SHERBURN.

TOWNSHIP OF SHERBURN, DURHAM.

Sheet 27 of Ordnance Map. Lat. , Long.*Account of the Third Hole, about 500 yards South-east from the Second Hole.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	0	4			
Blue and brown stony clay ... ..	3	2	8			
Brown sand ... ..	4	2	0			
Brown sand, post and sand, with water at bottom	3	3	7			
				11	2	7
Total ... ..				11	2	7

Abandoned.

## No. 1,729.—SHERBURN.

TOWNSHIP OF SHERBURN, DURHAM.

Sheet 27 of Ordnance Map. Lat. , Long.*Account of the Fourth Hole, to South-east from Second Hole.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Blue and brown stony clay, mixed with sand ...	1	2	0			
Strong blue stony clay, mixed with a whin tumbler of 10 ins. at 6 fms. 6 ins. from top ...	5	4	0			
Brown sand, with water near the bottom ...	5	0	2			
				12	0	2
Total ... ..				12	0	2

Abandoned.

## No. 1,730.—SHERBURN.

TOWNSHIP OF SHERBURN, DURHAM.

Sheet 27 of Ordnance Map. Lat. , Long.*Account of the Fifth Hole, about 500 yards North from the First Hole. Begun  
February 10th; finished October 17th, 1829.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	0	6				Brought forward	0	2	6			
Brown stony clay ... ..	0	2	0				Blue stony clay ...	17	5	6	18	2	0
Carried forward	0	2	6				Carried forward				18	2	0

Brought forward		Fs.	Ft.	In.	Fs.	Ft.	In.
Strong white post	...	2	5	5	68	2	7
Whin	...	0	0	9			
Strong grey post	...	1	4	0			
Whin	...	0	1	4			
Strong grey post	...	1	5	11			
Soft dark metal	...	0	2	0			
<b>COAL</b> , brassy	Ft. In.						
<b>COAL</b> , strong	0 7						
coarse	...	1	3				
<b>COAL</b>	...	0	5				
	—	0	2	3	7	3	8
Grey metal	...	0	0	6			
White and grey post	...						
and beds of metal	...						
stone	...	1	0	9			
Whitish grey post,	...						
with water at top...	...	0	4	5			
Grey post, inclining to	...						
metal stone	...	2	3	7			
Blue grey metal, with	...						
girdles	...	0	4	0			
<b>COAL</b> , foul...	Ft. In.						
<b>COAL</b> , strong	0 10						
<b>COAL</b>	...	0	4				
	...	0	1				
	—	0	1	3	5	2	6
Blue grey metal, with	...						
ironstone girdles	...	1	4	0			
<b>COAL</b>	Ft. In.						
<b>COAL</b> , strong	0 7						
Grey metal,	...						
scared with	...						
coal	...	1	4				
<b>COAL</b>	...	0	5				
	—	0	2	4	2	0	4
Grey metal, scared	...						
with coal	...	0	0	8			
Grey metal stone, with	...						
thin girdles	...	2	2	3			
Whitish grey post,	...						
with thin girdles	...						
the last 2 feet	...	5	3	6			
<i>Hutton Seam—</i>							
<b>COAL</b>	Ft. In.						
<b>COAL</b> , strong	1 2						
<b>COAL</b> , strong	4 4						
<b>COAL</b> , foul	0 4						
	—	0	5	10	9	0	3
Grey metal, with a	...						
mixture of coal in	...						
the middle	...	0	0	8			
In grey metal stone...	...	0	3	0	0	3	8
Total	...				93	1	0



## No. 1,731.—SHERBURN.

TOWNSHIP OF SHERBURN, DURHAM.

Sheet 27 of Ordnance Map. Lat. 54° 46' 37", Long. 1° 28' 41".

*An Account of Strata sunk through in the East and West Pits, Sherburn Hill Colliery. 1835.*

Approximate surface level 390 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	1	0				Brought forward	6	4	6	53	4	4
Blue clay ... ..	7	2	0				Soft grey metal stone	{	4	3	2		*
Loamy clay, with sand	0	1	1						8	0	2		
Strong blue clay ...	7	3	0				Post stone, with water		5	1	10		
				15	1	1	Blue stone ... ..		0	4	2		
Freestone ... ..	19	4	4				<b>COAL</b> — <i>Low Main</i>						
Soft blue stone ...	1	4	4				<i>Seam</i> ... ..	0	3	1			
Grey metal ... ..	0	2	0								25	4	11
<b>COAL</b> — <i>3/4 Seam</i> ...	0	0	5										
				21	5	1	Soft dark thill stone...		0	0	9		
Black slaty stone ...	0	1	1				Strong grey metal						
Thill stone, mixed with							stone ... ..		5	0	3		
ironstone ... ..	0	1	4				Dark blue stone ...		0	2	0		
							<b>COAL</b> — <i>Brass Thill</i>						
<i>Five-Quarter Seam</i> —							<i>Seam</i> ... ..		0	0	7		
<b>COAL</b> , good	3	8									5	3	7
<b>COAL</b> , bot-							Dark grey metal stone		1	5	0		
tom ... ..	0	7					<b>COAL</b> ... ..		0	0	6		
				0	4	3	Dark grey metal stone		0	1	8		
				1	0	8	<b>COAL</b> ... ..		0	0	10		
Thill stone ... ..	0	2	4				Grey metal ... ..		0	5	11		
Grey metal stone ...	4	0	4										
Jointy post girdle ...	0	3	0				<i>Hutton Seam</i> —						
Grey metal stone ...	1	2	4				<b>COAL</b> , good		4	4			
Post girdle (broke) ...	0	1	6				<b>COAL</b> , bot-						
Grey metal stone ...	0	3	8				tom ... ..		1	2			
Post stone, mixed with											0	5	6
whin and water ...	8	1	10										
<b>COAL</b> , bad— <i>Main</i>											4	1	5
<i>Coal Seam</i> ... ..	0	0	6										
				15	3	6							
Thill stone ... ..	0	3	6										
Black stone ... ..	0	2	2										
Grey metal ... ..	4	3	4										
Strong grey metal													
stone ... ..	1	1	6										
Carried forward	6	4	6	53	4	4	Total ... ..				89	2	3

\* Approximate sea level (Ordnance datum).

## No. 1,732.—SHERBURN.

TOWNSHIP OF SHERBURN, DURHAM.

Sheet 27 of Ordnance Map. Lat. 54° 46' 41", Long. 1° 30' 38".

*An Account of Strata sunk through in the Upcast Shaft, Lady Durham Pit, Sherburn Colliery. October 7th, 1873.*

Approximate surface level 280 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	...	0	1	0			Brought forward				34	3	11
Sand, with water ...	...	0	1	0			Strong grey metal,						
Strong blue clay ...	...	2	2	0			with post girdles						
Sand ...	...	0	1	0			and water ...	1	1	6			
Loamy clay ...	...	1	5	0			Strong white post,						
Sand, with water ...	...	0	3	0			mixed with whin ...	1	2	0			
Strong blue clay ...	...	2	0	0			Strong grey metal,						
Sand, with water ...	...	1	4	0			with post girdles						
Strong stony clay ...	...	1	2	0			and water ...	3	2	0			
Sand ...	...	0	1	0			<b>COAL</b> ...	0	0	6			
Strong stony clay ...	...	7	0	0							6	0	0
Loamy clay ...	...	0	4	6			Strong grey metal,						
Strong stony clay ...	...	1	3	0			with post girdles ...	1	3	0			
Strong brown clay ...	...	1	2	6			<b>COAL</b> ...	0	0	8			
Strong stony clay ...	...	0	2	0	21	2	0	Black shivery metal...	0	2	2		
							<b>COAL</b> ...	0	0	5			
Soft metal stone ...	...	0	3	4							2	0	3
Broken freestone ...	...	1	3	0			Black shivery metal ..	0	0	7			
Black metal stone ...	...	0	1	4			Strong grey post ...	1	0	6			
Grey metal thill stoue	...	0	2	6			Grey metal, with post						
Grey metal, with post							girdles ...	1	0	2			
girdles ...	...	4	0	0			Dark grey metal, with	1	4	7			
Grey post ...	...	2	0	10			post girdles ...	1	5	10			*
Grey metal ...	...	0	5	0			<b>COAL</b> — <i>Hutton Seam</i>	0	4	6			
Strong white post ...	...	3	1	0							6	4	2
<b>COAL</b> — <i>Low Main</i>													
<i>Seam</i> ...	...	0	2	11									
					13	1	11						
Carried forward					34	3	11	Total ...			49	2	4

\* Approximate sea level (Ordnance datum).

## No. 1,733.—SHERBURN.

TOWNSHIP OF SHERBURN, DURHAM.

Sheet 27 of Ordnance Map. Lat. 54° 46' 38", Long. 1° 30' 4".

*Account of Strata bored through from a point 20 fathoms below the Hutton Seam and at about 30 chains due East of Lady Durham Pit, Sherburn Colliery.*

Approximate level 136 feet below sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Strata ...	...	20	0	0			Brought forward	22	0	4			
Grey metal ...	...	2	0	4			Grey post ...	1	1	0			
Carried forward		22	0	4			Carried forward	23	1	4			

## No. 1,733.—SHERBURN.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	23	1	4				Brought forward				57	5	0
Grey metal, with ironstone girdles ...	3	5	7				Grey metal, with post girdles ...	5	5	4			
Bastard post, with metal partings ...	0	4	0				Bastard white post ...	0	5	0			
Mild grey post, with metal partings ...	8	5	8				Mild white post, with partings ...	0	5	11			
Hard grey post, with metal partings and ironstone girdles ...	5	2	0				Whin ...	0	3	0			
Hard white post ...	6	1	5				Strong white post, with coal pipes and metal partings ...	5	3	5			
Dark metal ...	0	0	2				Dark snappy metal, with post girdles ...	2	5	6			
COAL ...	0	2	4				Hard white post, with metal partings and ironstone girdles ...	2	3	4			
				48	4	6	Very hard grey bastard post ...	0	4	6			
Grey metal thill ...	0	2	6				Mild grey post ...	0	3	4			
White post, with water	7	1	9				Dark grey metal ...	1	1	8			
Grey metal ...	0	5	10				Light grey metal ...	1	2	9			
COAL ...							Hard white post ...	0	3	10			
Black stone, mixed with coal ...	2	3									23	5	
				0	2	5							
				9	0	6							
Carried forward				57	5	0	Total below the <i>Hutton Seam</i>				80	4	7

## No. 1,734.—SHERBURN.

TOWNSHIP OF SHERBURN HOUSE, DURHAM.

Sheet 27 of Ordnance Map. Lat. 54° 45' 44", Long. 1° 30' 10".

*Account of a Boring in Sherburn Estate, about 87 yards from the Four Lane Ends, near Byers Garth Farm, in a South-east direction. September 7th, 1841.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	0	8			
Dry sand ...	1	5	0			
Brown clay, mixed with sand ...	4	1	0			
Sand, with a strong feeder of water at 17 fathoms	10	5	4			
				17	0	0
Total ...				*17	0	0

\* Approximate sea level 200 feet below this.





## No. 1,737.—SHERBURN.

TOWNSHIP OF SHERBURN HOUSE, DURHAM.

Sheet 27 of Ordnance Map. Lat. , Long.

*Bored in the Fourth Hole, near Mr. Jordison's House. October 6th, 1841.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	1	0				Brought forward	20	2	0			
Brown stony clay ...	7	0	0				Soft brown and grey						
Brown sand ... ..	0	1	6				post ... ..	0	1	6			
Red clay ... ..	0	3	6				Brown sand and gravel	1	0	0			
Brown freestone tumbler ... ..	0	3	0				Black sand, mixed with coal ... ..	0	1	0			
Dry gravel ... ..	1	0	0				Sand, mixed with clay and stones ...	2	3	6			
Brown loamy sand ...	8	3	0				Black metal stone ...	0	1	4			
Stony brown clay ...	2	0	6				In dark grey metal ...	0	0	8			
Soft brown sand ...	0	1	6								24	4	0
Carried forward	20	2	0				Total ... ..				24	4	0

## No. 1,738.—SHERBURN.

TOWNSHIP OF SHERBURN HOUSE, DURHAM.

Sheet 27 of Ordnance Map. Lat. , Long.

*Bored in the Fifth Hole, in a Small Stubble Field near to the South side of Shadforth Beck. November 1st, 1841.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	2	0				Brought forward	8	4	0			
Brown stony clay ...	1	5	0				Brown sand ... ..	0	2	0			
Loose gravel, with water ... ..	0	5	0				Grey metal ... ..	0	0	6			
Strong brown stony clay ... ..	4	0	3				Strong brown and grey post ... ..	0	4	6			
Loose metal, with mixture of coal ...	0	3	4				Strong grey and brown post, with water ...	0	3	6			
Freestone ramble ...	0	1	6				Soft brown post ...	0	0	9			
Black and brown gravel ... ..	0	1	6				Black metal .. ...	0	1	0			
Brown freestone tumbler ... ..	0	3	5				In grey metal ... ..	0	3	6			
Carried forward	8	4	0								11	1	9
							Total ... ..				11	1	9

## No. 1,739.—SHERBURN.

TOWNSHIP OF SHERBURN HOUSE, DURHAM.

Sheet 27 of Ordnance Map. Lat. , Long.*Bored in the Sixth Hole, in a Grass Field      yards South-east of the Fifth Hole.  
November 11th, 1841.*

Approximate surface level      feet above sea (Ordnance datum).

						Fs.	Ft.	In.	Fs.	Ft.	In.
Brown stony clay	...	..	...	...	...	2	3	0			
Brown sand, with water	...	...	...	...	...	2	2	0			
Brown clay	...	...	...	...	...	0	3	5			
Freestone ramble	...	...	...	...	...	0	5	0			
Sand, with water	...	...	...	...	...	5	2	0			
Loamy sand	...	...	...	...	...	0	5	0			
									12	2	5
Total	...	...	...	...	...				12	2	5

## No. 1,740.—SHERBURN.

TOWNSHIP OF SHERBURN HOUSE, DURHAM.

Sheet 27 of Ordnance Map. Lat. , Long.*Bored in the Seventh Hole, in a Grass Field, about 100 yards from Shadforth Beck.  
December 6th, 1841.*

Approximate surface level      feet above sea (Ordnance datum).

							Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	..	...	...	...	...	...	0	0	6			
Sand	...	...	...	...	...	...	1	0	0			
Dry gravel	...	...	...	...	...	...	1	2	0			
Sand, with water	...	...	...	...	...	...	0	1	6			
Brown stony clay	...	...	...	...	...	...	0	2	0			
Sand, with water	...	...	...	...	...	...	4	1	0			
Blue leafy clay	...	...	...	...	...	...	0	3	10			
Blue stony clay	...	...	...	...	...	...	0	4	4			
										8	3	2
Total	...	..	...	...	...	...				8	3	2



## No. 1,742.—SHERBURN.

TOWNSHIP OF SHERBURN HOUSE, DURHAM.

Sheet 27 of Ordnance Map. Lat. , Long.

*Bored in Sherburn House Pit. November 17th, 1842.*

Approximate surface level 305 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to the scaffold...				22	0	0	Brought forward	2	3	8	44	1	10
Square box ...				5	3	0	White post, mixed						
Grey metal stone, with							with whin ...	0	2	0			
post girdles ...	1	5	6				Grey metal stone ...	5	2	0			
<b>COAL</b> , foul...	0	0	7										
				2	0	1	<b>COAL</b> ...	Ft. In.					
Grey metal stone ...	3	5	8				Grey metal ...	0	6				
<b>COAL</b> ...	0	0	5				<b>COAL</b> ...	2	4				
				4	0	1		0	4				
Grey metal stone, set										0	3	2	
away the water							Grey metal ...			0	2	8	
about 7 ins. below							Grey post ...			1	1	0	
the 5 ins. of coal ...	3	3	0				Whin ...			0	1	10	
Strong grey post, with							Grey post ...			0	1	0	
whin girdles ...	6	4	4				Grey metal stone ...			2	3	10	
Dark metal, scared							Whin ...			0	0	7	
with coal ...	0	0	6				Grey metal stone, with						
<b>COAL</b> , strong— <i>Low</i>							strong post girdles	1	0	7			
<i>Main Seam</i> ...	0	2	10				<b>COAL</b> — <i>Hutton Seam</i>	0	4	6			
				10	4	8					6	4	0
Grey metal ...	0	0	8				Grey metal ...			0	0	7	
Grey metal stone ...	0	5	0				Grey post ...			0	0	6	
Strong grey post ...	1	4	0								0	1	1
Carried forward	2	3	8	44	1	10	Total ...				59	5	9

## No. 1,743.—SHERIFF HILL.

TOWNSHIP OF GATESHEAD, SOUTH WARD, DURHAM.

Sheet 7 of Ordnance Map. Lat. 54° 55' 50", Long. 1° 34' 25".

*Account of Strata sunk through in the Isabella Pit, Sheriff Hill Colliery.*

Approximate surface level 510 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay ...	4	3	0				Brought forward				18	0	8
Grindstone post ...	10	0	0				Thill ...	0	2	4			
Blue metal stone ...	2	0	0				White post ...	4	2	4			
Grey metal stone ...	1	3	0				<b>COAL</b> ...	0	0	8			
<b>COAL</b> ...	0	0	8								4	5	4
				18	0	8							
Carried forward				18	0	8	Carried forward				23	0	0



## No. 1,743.—SHERIFF HILL.—CONTINUED.

Brought forward			Fs.	Ft.	In.	Fs.	Ft.	In.
			23	0	0			
Thill	...	...	0	5	0			
Strong white post	...	...	0	4	0			
Blue metal stone	...	...	0	1	0			
Grey post	...	...	0	5	2			
White post	...	...	0	1	4			
Blue metal stone	...	...	0	2	8			
White post	...	...	0	4	3			
Blue metal stone	...	...	1	0	0			
COAL	...	...	0	1	8			
			5	1	1			
Thill	...	...	0	0	4			
White post	...	...	0	1	0			
Blue metal stone	...	...	0	5	8			
COAL	...	...	0	1	2			
			1	2	2			
Thill	...	...	0	4	0			
Seamy post girdles and	...	...	10	1	6			
blue metal stone	...	...	0	1	10			
COAL	...	...				11	1	4
Thill	...	...	0	1	1			
Post, mixed with whin	...	...	2	3	0			
Blue metal stone,	...	...	11	0	7			
mixed with post	...	...	4	3	0			
White post	...	...	0	2	0			
COAL	...	...				18	3	8
Grey metal stone	...	...	1	0	2			
Black stone	...	...	0	3	9			
Grey metal girdles	...	...	0	3	3			
Grey metal stone	...	...	0	0	8			
White post girdles	...	...	0	0	7			
Grey post	...	...	2	4	6			
Grey metal	...	...	0	2	0			
Grey post	...	...	0	4	3			
<i>High Main Seam—</i>								
COAL	...	Ft. In.	0	4				
Band	...	0	0 $\frac{1}{2}$					
COAL, top	...	2	9					
Band	...	0	7					
COAL, coarse	...	0	5					
COAL, fine	...	0	7					
Band	...	0	0 $\frac{1}{2}$					
COAL, bot-	...	1	2					
tom	...				0	5	11	
						7	1	1
Thill	...	...	0	5	0			
Blue metal stone	...	...	1	4	0			
Grey metal stone	...	...	0	4	0			
Grey post	...	...	1	4	0			
Grey metal stone	...	...	0	3	0			
COAL	...	...	0	0	5			
						5	2	5
Carried forward			71	5	9			

Brought forward			Fs.	Ft.	In.	Fs.	Ft.	In.
			71	5	9			
Thill	...	...	1	2	0			
Grey post	...	...	1	5	0			
Grey metal stone	...	...	0	1	0			
Grey post	...	...	1	4	7			
COAL	...	...	0	1	7			
						5	2	2
Thill	...	...	0	4	0			
Blue stone, mixed with	...	...	0	3	0			
thin girdles	...	...	0	1	3			
COAL	...	...				1	2	3
Thill	...	...	0	1	0			
Strong white post and	...	...	1	2	0			
parting	...	...	2	1	0			
Strong grey metal	...	...	0	2	0			
Mixture of whin and	...	...	1	5	0			
post	...	...	0	2	10			
Strong grey metal	...	...	0	1	8			
Whin	...	{				*		
						0	1	8
Blue metal and iron-	...	...	3	4	4			
stone girdles	...	...						
<i>Yard Seam or High Main Coal of Wear—</i>								
COAL, top	...	Ft. In.	2	0				
Band	...	0	11					
COAL, grey	...	0	10					
COAL, good	...	0	11					
Band	...	0	1					
COAL, bot-	...	2	3 $\frac{1}{2}$					
tom	...				1	1	0 $\frac{1}{4}$	
						11	2	10 $\frac{1}{4}$
Thill and grey metal	...	...	0	4	0			
White post	...	...	0	3	0			
Grey metal, with whin	...	...	1	5	0			
girdles	...	...	0	2	6			
Black stone	...	...	4	3	6			
Grey metal, with whin	...	...	0	1	0			
girdles	...	...	2	2	3			
Whin	...	...						
Grey metal stone, with	...	...						
hard girdles	...	...						
<i>Bensham Seam—</i>								
COAL, top	...	Ft. In.	1	6				
Band	...	0	0 $\frac{1}{2}$					
COAL	...	0	11 $\frac{1}{2}$					
COAL, scary	...	0	3					
Band	...	1	7 $\frac{1}{2}$					
COAL	...	1	5					
Band	...	0	0 $\frac{1}{2}$					
COAL	...	0	6					
						1	0	4
						11	3	7
Carried forward			101	4	7 $\frac{1}{4}$			

\* Approximate sea level (Ordnance datum).

## No. 1,743.—SHERIFF HILL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				101	4	7 $\frac{1}{4}$	Brought forward	1	0	0	111	4	5 $\frac{1}{4}$
Thill ...	0	2	0				Grey post ...	0	4	0			
Grey metal girdles ...	1	2	0				White post ...	0	3	0			
White post ...	1	2	4				Grey post ...	0	5	0			
Whin and post mixture ...	0	4	0				White post ...	0	4	0			
Grey metal ...	0	3	0				<b>COAL</b> ...	0	0	9			
Blue stone ...	0	4	2								3	4	9
<b>COAL</b> —5 $\frac{1}{4}$ Seam ...	0	4	4				Thill ...	0	2	5			
				5	3	10	White post ...	1	5	10			
Thill ...	0	1	10				Whin and post mixture ...	1	2	0			
Grey metal ...	0	2	6				White post ...	0	4	0			
White post ...	0	5	6				Grey metal ...	0	4	0			
Whin ...	0	1	0				Grey post girdle ...	0	1	5			
Grey post ...	1	0	0				Grey metal stone ...	0	1	5			
Grey metal ...	1	0	0				Grey post girdle ...	0	3	3			
<b>COAL</b> —5 $\frac{1}{4}$ Seam ...	0	3	2				Blue metal stone ...	0	2	2			
				4	2	0	<b>COAL</b> —Low Main Seam ...	0	5	2			
Thill ...	0	1	6								7	1	8
Blue stone ...	0	3	0										
Grey metal ...	0	1	6										
Carried forward	1	0	0	111	4	5 $\frac{1}{4}$	Total ...				122	4	10 $\frac{1}{4}$

## No. 1,744.—SHERIFF HILL.

TOWNSHIP OF GATESHEAD, SOUTH WARD, DURHAM.

Sheet 7 of Ordnance Map. Lat. 54° 55' 34", Long. 1° 34' 10".

*Account of Boring from the Low Main Seam, in the King Pit, Sheriff Hill Colliery.*

Approximate surface level 490 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to the Low Main Seam ..				122	4	10 $\frac{1}{4}$	Brought forward				130	2	10 $\frac{3}{4}$
Thill ...	0	3	0				Thill ...	1	0	0			
White post ...	2	0	0				White post ...	2	3	0			
Black stone ...	0	1	0				Whin ...	0	1	1			
Thill ...	0	3	0				White post ...	1	1	7 $\frac{1}{4}$			
Black stone, mixed with coal ...	0	1	6				Grey metal ...	0	1	4			
Thill ...	0	3	6				White post ...	0	3	0			
Grey metal stone ...	1	3	6				Blue metal, mixed with post girdles ...	1	3	0			
Post girdles ...	0	1	6				Blue metal, with iron-stone girdles ...	1	3	5			
White post ...	1	2	0				<b>COAL</b> ...	0	0	5			
Blue metal stone ...	0	2	0								8	4	10 $\frac{1}{4}$
<b>COAL</b> ...	0	1	0 $\frac{1}{2}$				Thill ...	0	1	4			
				7	4	0 $\frac{1}{2}$	Grey metal ...	0	2	0			
Carried forward				130	2	10 $\frac{3}{4}$	Carried forward	0	3	4	139	1	9

## No. 1,744.—SHERIFF HILL.—CONTINUED.

Brought forward			Fs.	Ft.	In.	Fs.	Ft.	In.
Thill	...	...	0	3	4	139	1	9
Grey metal	...	...	0	3	0			
Dark grey metal	...	...	0	2	0			
White post	...	...	0	3	0			
Whin	...	...	0	1	9			
Blue metal	...	...	0	1	3			
Girdle	...	...	0	0	9			
White post	...	...	1	0	0			
Blue metal	...	...	0	3	0			
COAL	...	...	0	0	4			
						4	1	8
Carried forward						143	3	5

Brought forward			Fs.	Ft.	In.	Fs.	Ft.	In.	
Black stone	...	...	0	1	6	143	3	5	
Post girdle	...	...	0	1	6				
Grey metal, with post girdles	...	...	0	5	0				
Blue metal	...	...	0	3	0				
<i>Beaumont Seam—</i>									
COAL, top		Ft. In.	2	2					
Band	...		0	8					
COAL, good			1	0					
						0	3	10	
							2	2	10
Total			...	...		146	0	3	

## No. 1,745.—SHERIFF HILL.

TOWNSHIP OF GATESHEAD, SOUTH WARD, DURHAM.

Sheet 7 of Ordnance Map. Lat. 54° 56' 8", Long. 1° 34' 57".

*Account of Strata sunk through at the Fanny Pit, Sheriff Hill Colliery, on Gateshead Fell.*

Approximate surface level 535 feet above sea (Ordnance datum).

			Fs.	Ft.	In.	Fs.	Ft.	In.
Shiver and blue slate								
thill ...	...	...	3	0	0			
White flag post ...	...	...	2	0	0			
Grindstone sill ...	...	...	11	0	0			
White post plate ...	...	...	1	3	0			
Blue plate ...	...	...	1	0	0			
Grey post plate ...	...	...	1	3	0			
Blue plate ...	...	...	1	0	0			
Whin plate ...	...	...	1	3	0			
Blue sill ...	...	...	1	0	0			
White post ...	...	...	3	3	0			
COAL— <i>3/4 Seam</i> ...	...	...	0	2	3			
						27	2	3
White post ...	...	...	5	1	0			
Grey post ...	...	...	1	0	0			
Dun post ...	...	...	6	0	0			
Blue plate ...	...	...	1	0	9			
White post ...	...	...	11	0	0			
COAL— <i>High Main Seam</i> ...	...	...	1	0	0			
						25	1	9
Grey post ...	...	...	6	0	0			
Metal plate ...	...	...	1	0	0			
Carried forward						7	0	0

Brought forward			Fs.	Ft.	In.	Fs.	Ft.	In.
COAL— <i>Metal Coal Seam</i> ...	...	...	0	1	2			
						7	1	2
White post ...	...	...	4	1	10			
COAL— <i>Stone Coal Seam</i> ...	...	...	0	3	0			
						4	4	10
Black stone ...	...	...	1	5	0			
COAL, bandy ...	...	...	0	0	6			
						1	5	6
White post ...	...	...	4	3	6			
Blue plate ...	...	...	2	3	0			
Black plate ...	...	...	0	1	6			
COAL— <i>Little Coal Seam</i> ...	...	...	0	0	6			
						7	2	6
Grey sill ...	...	...	2	0	0			
COAL— <i>Yard Seam</i> ...	...	...	0	3	0			
						2	3	0
White post ...	...	...	11	3	0			
COAL— <i>Bensham Seam</i> ...	...	...	0	3	3			
						12	0	3
Carried forward						88	3	3

## No. 1,745.—SHERIFF HILL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				88	3	3		Brought forward			102	0	0
Blue plate ...				0	3	9	*	White post ...	5	0	0		
<b>COAL</b> , bandy ...				1	2	3		<b>COAL</b> — <i>Low Main</i>					
				0	0	9		<i>Seam</i> ...	1	0	6		
					2	0	9				6	0	6
White post ...	5	2	0					Darkish white sill ...	0	1	0		
Blue plate ...	0	3	0					White post ...	3	5	6		
<b>COAL</b> — <i>6/4 Seam</i> ...	1	0	3					<b>COAL</b> — <i>2/4 Seam</i> ...	0	1	6		
					6	5	3				4	2	0
Grey whin post ...	1	5	7					White post sill ...	21	0	6		
<b>COAL</b> — <i>5/4 Seam</i> ...	0	3	2					<b>COAL</b> — <i>Harvey's Low</i>					
					2	2	9	<i>Main Seam</i> ...	0	3	0		
Grey post ...	1	5	3								21	3	6
<b>COAL</b> , bandy ...	0	0	9										
					2	0	0						
Carried forward				102	0	0		Total ...			134	0	0

\* Approximate sea level (Ordnance datum).

## No. 1,746.—SHERIFF HILL.

TOWNSHIP OF GATESHEAD, SOUTH WARD, DURHAM.

Sheet 7 of Ordnance Map. Lat. 54° 56' 2", Long. 1° 35' 27".

*Section of the Several Seams of Coal, as they lie below each other in the Doll Pit, Gateshead Fell.*

Approximate surface level 425 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Strata ...	33	3	8				Brought forward				48	0	0
<i>Upper Main Coal</i>							Strata ...	9	4	2			
<i>Seam—</i>							<i>Yard Coal Seam—</i>						
<b>COAL</b> ...	2	10					<b>COAL</b> ( <i>Little</i>						
Stone ...	0	4					<i>Coal</i> ) ...	1	10				
<b>COAL</b> ...	2	2					Stone ...	3	0				
				0	5	4	<b>COAL</b> ( <i>Yard</i>						
							<i>Coal</i> ) ..	3	0				
Strata ...	7	4	2								1	1	10
<b>COAL</b> — <i>Metal Coal</i>												11	0
<i>Seam</i> ...	0	1	10				Strata ...	10	3	3			
					8	0	0						
Strata ...	5	1	6										
<b>COAL</b> — <i>Stone Coal</i>							Carried forward	10	3	3	59	0	0
<i>Seam</i> ...	0	1	6										
					5	3	0						
Carried forward				48	0	0							



## No. 1,746.—SHERIFF HILL.—CONTINUED.

						Fs. Ft. In.					
Brought forward						Brought forward					
10 3 3 59 0 0						82 2 6					
<i>Bensham Seam—</i>						<i>Five-Quarter Seam—</i>					
COAL			...	Ft.	In.	Stone			...	Ft.	In.
			...	1	5				...	0	4
Stone			...	0	4	COAL			...	3	2
COAL			...	1	0				...		
			_____						...	0	3 6
			0 2 9						_____		
			11 0 0						0 3 6		
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## No. 1,748.—SHIELD ROW.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

*An Account of Boring at Shield Row, in the Royalty of Geo. Bowes, Esq. May, 1729.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Black and grey post girdles ...	1	0	0				Brought forward	3	0	4	14	0	4
Soft black metal ...	2	3	0				Strong grey post girdles, with water ...	3	0	0			
<b>COAL</b> ...	0	0	4				Grey metal stone, with post girdles ...	3	1	0			
				3	3	4	<b>COAL</b> ...	0	0	8			
Grey metal ...	3	0	0								9	2	0
Brown post ...	1	0	0				Grey metal, scared with coal ...	0	1	0			
Open brown post, set away the water ...	1	3	0				Grey metal stone, with water ...	3	0	0			
Soft open post ...	3	3	0				Grey metal stone ...	2	0	0			
Soft brown post ...	0	3	0				Soft black and grey metal, scared with coal ...	0	3	0			
<i>Upper Main Coal Seam—</i>							White post ...	0	3	0			
<b>COAL</b> ...	4	0					<b>COAL—Hard Coal Seam</b> ...	0	4	11			
Black metal ...	0	4									6	5	11
<b>COAL</b> ...	1	8											
				10	3	0							
White grey metal ...	1	0	0										
Black slaty stone ...	0	0	4										
Grey metal, with girdles ...	2	0	0										
Carried forward	3	0	4	14	0	4	Total ...				30	2	3

## No. 1,749.—SHIELD ROW.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

*Bored in the Stone Drift, Gill Pit, Shield Row. 1735.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
White and grey post girdles, blue scamy partings, and water	3	0	0				Brought forward	5	1	7			
Open white post, with much water ...	1	2	9				<b>COAL</b> ...						
Grey scamy post ...	0	2	0				Black metal ...	0	3				
Stony sandy post ...	0	2	6				<b>COAL</b> ...	2	0				
Grey metal stone ...	0	0	4								1	0	3
											6	1	10
Carried forward	5	1	7				Grey metal ...				0	0	9
							Total ...				6	2	7

## No. 1,750.—SHIELD ROW.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. \_\_\_\_\_

, Long. \_\_\_\_\_

*Section of Strata at Shield Row Colliery.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Earth and clay ...	1	0	0				Brought forward				85	0	7
Brown post ...	2	0	0				Grey post, with some						
Grey metal ...	3	3	0				blue stone ..	14	0	0			
<b>COAL</b> ...	0	0	10	6	3	10	<b>COAL</b> ...	0	1	6	14	1	6
							Grey metal ...	7	3	0			
Grey metal ...	3	0	0				<b>COAL</b> ...	0	0	6			
<b>COAL</b> ...	0	2	0	3	2	0					7	3	6
							Grey metal, with post						
Grey metal ...	8	4	0				girdles ...	3	3	0			
<b>COAL</b> ...	0	0	8	8	4	8	<b>COAL</b> ...	0	2	0			
											3	5	0
Grey metal and post	7	4	0				Grey metal stone, with						
White post ...	2	1	2				white post...	5	3	0			
<i>Shield Row Seam—</i>							<b>COAL</b> ...	0	0	6			
											5	3	6
<b>COAL</b> ...							Grey metal ...	2	0	0			
Band ...	0	9											
<b>COAL</b> ...	1	0					<b>COAL</b> ...						
							<b>COAL</b> ...						
	1	0	3	29	3	11							
Grey metal, with post	14	0	0								0	2	3
<i>Five-Quarter Seam—</i>							Blue metal, with white				2	2	3
							post ...	6	3	0			
<b>COAL</b> ...							<i>Busty Bank Seam—</i>						
Grey metal..	1	0											
<b>COAL</b> ...	4	10					<b>COAL</b> ...						
							Blue stone...	2	0				
	1	0	8	15	0	8	<b>COAL</b> ...	3	0				
Grey metal ...	2	0	0				Blue stone...	0	6				
<b>COAL—Brass Thill</b>							<b>COAL</b> ...	2	10				
<i>Seam</i> ...	0	5	3	2	5	3					1	2	10
Grey metal, with some											7	5	10
post ...	9	0	0				Blue and grey metal	6	2	0			
White post, with some													
grey metal ...	19	0	0				<i>Brockwell Seam—</i>						
<b>COAL—Hutton Seam</b>	1	0	6										
							<b>COAL</b> ...						
							Blue stone...	3	6				
	1	3	0				<b>COAL</b> ...	1	3				
<b>COAL—Little Coal</b>	0	1	9	1	4	9	Grey metal..	0	2				
							<b>COAL</b> ...	1	10				
Blue metal stone ...	6	0	0								1	1	4
<b>COAL—Main Coal</b>													
<i>Seam</i> ...	0	3	6								7	3	4
Carried forward				85	0	7	Total ...				134	1	6

## No. 1,751.—SHIELD ROW.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long. =

*Bored in the Level Pit, at Shield Row, from the Hard Coal Seam.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to the thill of the							Brought forward	22	4	0	22	1	0
<i>Hard Coal Seam...</i>				22	1	0	Grey post ...		0	1	3		
From the <i>Hard Coal</i>							White post ...		0	3	9		
to the <i>Brass Thill</i>	10	5	5				Grey metal ...		0	1	2		
Thill ...	1	0	0				White post ...		0	3	9		
Grey post ...	1	0	0				Cashy parting ...		0	0	4		
Post girdles ...	0	0	6				White post ...		0	0	8		
Grey post ...	1	2	5				Cashy parting ...		0	0	4		
Black metal stone ...	0	1	0				White post ...		4	1	4		
Grey post ...	1	2	0				A parting ...		0	0	2		
Whin (indurated sand-							White post ...		7	0	2		
stone) ...	0	0	10				Grey post ...		0	0	10		
Grey post ...	1	2	4				White post ...		2	5	7		
Black metal ...	0	1	0				Grey metal stone ...		1	3	7		
Grey metal stone ...	0	1	0				Grey and blue metal,						
Grey post ...	1	4	0				with hard girdles...		1	3	8		
White post girdles ...	0	0	5				Black metal, mixed						
Grey post ...	0	0	5				with coal ...		0	0	4		
White post girdle ...	0	0	5				<b>COAL</b> , mixed with						
Grey post ...	0	2	0				small brass lumps						
Black metal stone,							or band 3 ins. from						
with <i>coal pipes</i> ...	0	4	7				the top ...		0	5	3		
Grey metal stone ...	0	3	9				Black metal, mixed						
Grey post ...	0	1	10				with coal ...		0	0	1		
Whin ...	0	1	0				<b>COAL</b> — <i>Hutton Seam</i>		0	5	5		
White post ...	0	5	1								43	5	8
Carried forward	22	4	0	22	1	0	Total ...				66	0	8

## No. 1,752.—SHIELD ROW.

TOWNSHIP OF KYO, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long. =

*Bored in the Pea Pit, at Shield Row.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk below the <i>Hard</i>							Brought forward						
<i>Coal Seam</i> to the							Blue metal stone, with						
scaffold ...						5 5 0	girdles ...	2	0	6			
Box ...	1	0	6				Blue metal stone ...	0	0	6			
Carried forward	1	0	6	5	5	0	Carried forward	3	1	6	5	5	0



No. 1,752.—SHIELD ROW.—CONTINUED.

	Brought forward	Fs.	Ft.	In.	Fs.	Ft.	In.
<b>COAL</b> , coarse at the bottom ... ..	0	4	7	4	0	1	
Grey metal stone, with post girdles ... ..	7	4	0				
Whin ... ..	0	2	0				
Strong grey metal stone, with metal partings ... ..	2	2	0				
Blue and black metal	1	1	0				
Blue stone, mixed with coal ... ..	0	3	0				
Blue metal ... ..	0	1	6				
Strong white post, mixed with whin in several places ... ..	12	1	0				
Blue stone, with girdles ... ..	1	4	5				
Carried forward	26	0	11	9	5	1	

	Brought forward	Fs.	Ft.	In.	Fs.	Ft.	In.
Blue metal, with girdles ... ..	0	4	6				
Soft blue metal ... ..	0	1	6				
<i>Hutton Seam--</i>							
<b>COAL</b> ... ..	2	8					
Black grey stone	0	3					
<b>COAL</b> ... ..	2	5					
Grey slaty band	0	9					
<b>COAL</b> ... ..	2	4					
<b>COAL</b> , coarse	0	4					
<b>COAL</b> ... ..	1	10					
	1	4	7				
Hard girdle or lump	0	0	4				
In grey metal ... ..	0	0	5				
					0	0	9
Total below Hard Coal Seam	38	5	4				

No. 1,753.—SHIELD ROW.

## TOWNSHIP OF KYO, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

*Strata sunk through at the Quaking House Pit, Shield Row Colliery, upon Lanchester Common Royalty. 1845.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay and gravel ...	2	0	0				Brought forward				19	4	3
Blue metal ...	3	5	0				Seggar clay ...	0	1	6			
Grey post ...	0	3	8				Grey metal ...	2	4	2			
Grey metal ...	0	4	0				Grey post ...	4	4	0			
<b>COAL</b> ...	0	5	6				Grey metal ...	3	4	0			
				8	0	2	Grey post ...	1	1	2			
Blue metal ...	1	0	6				Grey metal ...	0	2	8			
Grey post ...	0	1	6				Grey post ...	0	4	10			
Blue metal ...	4	0	6				Grey metal ...	1	0	8			
Grey post ...	0	1	0				<b>COAL—<i>5/4 Seam</i></b> ...	0	4	2			
Grey metal ...	0	4	0								15	3	2
White post ...	0	1	0				From thill of <i>5/4</i> to roof of <i>Main Seam</i>	7	0	0			
Grey metal ...	0	1	9				<b>COAL—<i>Brass Thill</i></b> <i>Seam</i> ...	0	5	4			
Grey post ...	3	4	8								7	5	4
<b>COAL—<i>Shield Row</i></b> <i>Seam</i> ...	1	1	2										
				11	4	1							
Carried forward	19	4	3				Total ...				43	0	9

## No. 1,754.—SHILBOTTLE.

TOWNSHIP OF SHILBOTTLE, NORTHUMBERLAND.

Sheet 39 of Ordnance Map. Lat. 55° 22' 27", Long. 1° 42' 4".

*Section of the Strata at the Engine, New East or Furnace Pit, Shilbottle Colliery,  
2½ miles South of Alnwick, 1807.*

Approximate surface level 395 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...	...	2	4	0			Brought forward	1	5	6	38	5	4
Freestone ...	...	10	0	0			Metal ...	1	0	0			
Blue slate ...	...	7	0	0			Blue limestone ...	0	2	0			
Blue limestone— <i>Eight-</i>							<b>COAL</b> ...	0	0	4			
Yard Limestone ...	4	0	0								3	1	10
<b>COAL</b> ...	0	0	4				Thill ...	1	0	8			
				23	4	4	Ironstone ...	0	0	6			
Thill ...	0	1	0				Rough stone ...	2	0	0			
Freestone ...	1	5	11				<b>COAL</b> — <i>Shilbottle</i>						
							Seam ...	0	2	7			
<b>COAL</b> ...	1	0									3	3	9
Thill ...	1	6					<i>Sump :—</i>						
<b>COAL</b> ...	1	0					Grey thill ...	0	2	6			
				0	3	6	Grey metal stone ...	0	4	0			
						2	4	5	Blue metal stone ...	3	0	9	
Thill ...	0	1	0				Hard stone, with water	0	3	0			
Main freestone ...	2	1	1				Grey metal stone ...	2	0	0			
Main slate ...	7	0	0				Black stone ...	0	0	9			
Blue limestone— <i>Six-</i>							<b>COAL</b> ...	0	0	1			
Yard Limestone ...	3	0	0								6	5	1
<b>COAL</b> ...	0	0	6				Black stone ...	0	0	2			
				12	2	7	White thill ...	0	0	6			
Thill ...	0	2	6								0	0	8
Freestone ...	1	3	0										
Carried forward	1	5	6	38	5	4	Total ...				*52	4	8

\* Approximate sea level 72 feet below this.

## No. 1,755.—SHILBOTTLE.

TOWNSHIP OF SHILBOTTLE, NORTHUMBERLAND.

Sheet 39 of Ordnance Map. Lat. 55° 22' 29", Long. 1° 42' 6".

*Section of the Strata sunk through in the Smoke Staple, near Farm House, at Shilbottle  
Colliery. Commenced August 22nd and finished sinking October 12th, 1844.*

Approximate surface level 380 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset ...	...	0	4	0			Brought forward	3	4	0			
Clay ...	...	3	0	0			Soft sand ...	0	5	0			
Carried forward	3	4	0				Carried forward	4	3	0			

## No. 1,755.—SHILBOTTLE.—CONTINUED.

		Fs.	Ft.	In.	Fs.	Ft.	In.			Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward		4	3	0				Brought forward		3	2	7	4	5	5
	Ft. In.														
COAL	...	0	5					Metal	...	0	5	0			
Band	...	1	6					Limestone girdle	...	0	1	0			
COAL	...	0	6					Blue metal	...	4	4	0			
								Limestone	...	3	1	0			
		0	2	5				Freestone	...	1	3	0			
					4	5	5	Limestone	...	0	2	0			
Soft metal	...	3	2	0				Soft grey metal	...	1	0	0			
Limestone girdle	...	0	0	7								15	0	7	
Carried forward		3	2	7	4	5	5	Total	...			*20	0	0	

\* Approximate sea level 260 feet below this.

## No. 1,756.—SHILBOTTLE.

TOWNSHIP OF SHILBOTTLE, NORTHUMBERLAND.

Sheet 39 of Ordnance Map. Lat. 55° 22' 49", Long. 1° 41' 13".

*Section of the Strata sunk through in the East or New Pit, Shilbottle Colliery.*  
*Commenced October 14th, 1845.*

Approximate surface level 318 feet above sea (Ordnance datum).

		Fs.	Ft.	In.	Fs.	Ft.	In.			Fs.	Ft.	In.	Fs.	t.	In.
Outset		...	...	1	3	0		Brought forward		3	0	6	28	5	7
Soil and clay		...	...	1	3	0		Leafy post (ring here)		0	3	0			
Freestone		...	...	9	0	7		Black metal		0	1	6			
Grey and blue metal		...	...	12	3	0		Slate and coal		0	1	4			
<i>Eight-Yard Lime-</i>													4	0	4
<i>stone—</i>								Grey thilly post		0	1	0			
	Ft. In.							Strong grey post		0	1	1			
Limestone	...	6	1					Dark grey post		0	1	0			
Metal	...	2	3					Strong blue metal and							
Limestone	...	2	6					catheads		5	4	0			
Metal	...	0	4					Bastard limestone		0	5	0			
Limestone	...	2	6					Limestone— <i>Six Yard</i>							
Metal	...	0	4					<i>Limestone (got July</i>							
Limestone	...	1	6					<i>1st, through August</i>							
Metal	...	0	7					<i>10th; the whole</i>							
Limestone	...	9	5					<i>feeder here was 90</i>							
					4	1	6	<i>gallons per minute)</i>		3	0	0			
Water much less here than								COAL		0	0	5			
in <i>Eight-Yard Limestone.</i>													10	0	6
Metal	...	0	0	3				Grey thill		0	1	0			
COAL	...	0	0	3				Leafy post (ring here)		0	5	0			
					28	5	7	Blue metal, with hard							
Grey thilly post	...	0	1	0				girdles		1	0	0			
White post	...	2	5	6											
								Carried forward		2	0	0	43	0	5
Carried forward		3	0	6	28	5	7								

## No. 1,756.—SHILBOTTLE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	0	0	43	0	5	Brought forward				47	3	11
Limestone — <i>Little</i>							Dark grey thill ...	0	2	0			
<i>Limestone</i> ...	0	2	0				Hard grey post ...	0	4	0			
Grey thill ...	0	1	6				Blue metal, with thin						
Grey thilly post ...	0	2	6				girdles ...	1	0	6			
Blue metal stone (ring											2	0	6
here) ...	1	1	2										
<b>COAL</b> — <i>Shilbottle</i>													
<i>Seam</i> ...	0	2	4										
				4	3	6							
Carried forward				47	3	11	Total ...				*49	4	5

\* Approximate sea level  $19\frac{1}{2}$  feet below this.

## No. 1,757.—SHILBOTTLE.

TOWNSHIP OF SHILBOTTLE, NORTHUMBERLAND.

Sheet 39 of Ordnance Map. Lat.  $55^{\circ} 22' 6''$ , Long.  $1^{\circ} 41' 33''$ .

*Section of the Strata in the Staple or Town Pit, Shilbottle Colliery, sunk in Scott's Half-Acre for a Smoke Pit, 6 feet in diameter. 1844.*

Approximate surface level 420 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...	1	5	0				Brought forward	8	5	6	30	0	2
Freestone— <i>The Town</i>							Limestone— <i>Six-Yard</i>						
<i>Head Thill</i> ...	9	1	0				<i>Limestone</i> ...	3	0	0			
Metal, with freestone							<b>COAL</b> ...	0	0	6			
bands ...	5	0	0								12	0	0
Clean metal, with no-							Thill ...	0	3	0			
dules of ironstone...	8	3	0				Freestone ...	1	2	6			
Limestone — <i>Eight-</i>							Blue metal ...	1	0	0			
<i>Yard Limestone</i> ...	4	0	0				Limestone — <i>Little</i>						
<b>COAL</b> ...	0	0	6				<i>Limestone</i> ...	0	1	10			
				28	3	6	<b>COAL</b> and dant ...	0	0	3			
Grey thill ...	0	1	6								3	1	7
Beddy freestone ...	1	0	6				Seggar clay ...	1	0	0			
<b>COAL</b> ...	0	0	8				Roof stone, but did						
				1	2	8	not sink lower, stone						
Grey thill ...	0	2	6				drift being set away						
Freestone ...	1	2	0				at this level.				1	0	0
Blue metal ...	7	1	0										
Carried forward	8	5	6	30	0	2	Total ...				*46	1	9

\* Approximate sea level  $142\frac{1}{4}$  feet below this.



## No. 1,758.—SHILBOTTLE.

TOWNSHIP OF SHILBOTTLE, NORTHUMBERLAND.

Sheet 38 of Ordnance Map. Lat. 55° 21' 55", Long. 1° 43' 17".

*Account of Borings to rise (North-West) of the Well sunk at Shilbottle Tile Sheds.  
December 27th, 1854.**1st Hole, 57 yards from Well.*

Approximate surface level at the well 480 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ... ..	3	0	0			
Metal and beddy freestone ... ..	0	3	0			
				3	3	0

## No. 1,759.—SHILBOTTLE.

*2nd Hole, yards from last.*

Clay ... ..	2	3	8			
Limestone tumbler ... ..	0	0	6½			
Clay ... ..	0	3	9½			
Metal ... ..	0	1	11			
Sandstone ... ..	0	2	0			
				3	5	11

## No. 1,760.—SHILBOTTLE.

*3rd Hole, yards from last.*

Clay ... ..	3	1	0			
Sandstone ... ..	0	2	1			
				3	3	1

## No. 1,761.—SHILBOTTLE.

*4th Hole, 25 yards from last.*

Clay ... ..	2	5	0			
Sandstone ... ..	0	4	5			
				3	3	5

## No. 1,762.—SHILBOTTLE.

*5th Hole, 16 yards from last.*

Clay ... ..	3	1	6			
Sandstone ... ..	0	3	8			
				3	5	2
						0



## No. 1,769.—SHILBOTTLE.

*12th Hole, 15 yards from last.*

	Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ... ..	3	2	0			
Hard strong clay ... ..	0	4	1			
Beddy freestone and metal ... ..	2	0	0			
Dark metal ... ..	0	1	0			
	<hr/>			6	1	1
				<hr/>		

## No. 1,770.—SHILBOTTLE.

*13th Hole, 15 yards from last.*

Clay ... ..	2	5	4			
Hard tumbler ... ..	0	1	1			
	<hr/>			3	0	5
				<hr/>		

## No. 1,771.—SHILBOTTLE.

*14th Hole, 11 yards from last.*

Clay ... ..	3	3	0			
Hard strong clay ... ..	1	1	0			
Beddy sandstone ... ..	0	0	8			
Dark metal ... ..	0	1	6			
	<hr/>			5	0	2
				<hr/>		

## No. 1,772.—SHILBOTTLE.

*15th Hole, 16 yards from last.*

Clay ... ..	3	3	0			
Hard strong clay ... ..	1	1	0			
Dark metal ... ..	0	3	0			
	<hr/>			5	1	0
				<hr/>		

## No. 1,773.—SHILBOTTLE.

*16th Hole, 19 yards from last.*

Clay ... ..	3	3	0			
Hard stony clay ... ..	0	5	7			
Metal ... ..	1	2	10			
Metal ... ..	0	4	6			
Limestone ... ..	0	0	6			
	<hr/>			6	4	5
				<hr/>		

Got *Little Limestone* in this hole.

## No. 1,774.—SHILBOTTLE.

*17th Hole, 7 yards from last.*

Clay ... ..	3	3	0			
Hard strong clay ... ..	0	4	4			
Hard tumbler whin ... ..	0	0	8			
	<hr/>			4	2	0
				<hr/>		

## No. 1,775.—SHILBOTTLE.

*18th Hole, 8 yards from last.*

							Fs.	Ft.	In.	Fs.	Ft.	In.	
Clay ...	...	...	...	...	...	...	3	2	0				
Hard stony clay	...	...	...	...	...	...	1	2	0				
Limestone	...	...	...	...	...	...	0	0	4				
											4	4	4

## No. 1,776.—SHILBOTTLE.

*19th Hole, 5 yards from last.*

Clay ... ..	...	...	...	...	...	3	2	0				
Hard strong clay	...	...	...	...	...	0	2	0				
Hard tumbler	..	...	...	...	...	0	0	2				
									<hr/>	3	4	2

## No. 1,777.—SHILBOTTLE.

*20th Hole, 1 yard from last.*

Clay	...	...	...	...	...	...	3	2	0				
Hard strong clay	...	...	...	...	...	...	1	3	0				
Limestone	...	...	...	...	...	...	0	0	4				
											4	5	4

## No. 1,778.—SHILBOTTLE.

*21st Hole, 6 yards from last.*

Clay	...	...	...	...	...	3	2	0				
Hard stony clay	...	...	...	...	...	1	4	0				
Limestone	...	...	...	...	...	0	0	2				
									<hr/>	5	0	2

## No. 1,779.—SHILBOTTLE.

*22nd Hole, 7 yards from last.*

Clay ... ..	...	...	...	...	...	3	2	0				
Hard stony clay	...	...	...	...	...	1	4	6				
Metal ... ..	...	...	...	...	...	1	1	10				
										6	2	4

## No. 1,780.—SHILBOTTLE.

*23rd Hole, 9 yards from last.*

Clay	...	...	...	...	...	...	3	4	0			
Hard stony clay	...	...	...	...	...	...	1	4	6			
Metal	...	...	...	...	...	...	1	4	0			
COAL	...	...	...	...	...	...	0	3	2			
Hard white freestone	...	...	...	...	...	...	0	0	2			
							-----			7	3	10



## No. 1,781.—SHILBOTTLE.

TOWNSHIP OF SHILBOTTLE, NORTHUMBERLAND.

Sheet 39 of Ordnance Map. Lat.  $55^{\circ} 23' 7''$ , Long.  $1^{\circ} 40' 20''$ .*An Account of Strata in Long Dyke Pit, Shilbottle Colliery, near Alnwick.*

Approximate surface level 218 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil at outset ...	1	2	0				Brought forward	18	3	9	16	0	1
Freestone ...	9	3	0				Dark blue metal, with	1	4	2			
Dark metal ...	0	2	0				iron nodules ...	1	1	4			*
Limestone (8-Yard							<b>COAL</b> , coarse brown,						
Limestone) ...	4	2	9				with spar ...	0	0	7			
Black dant ...	0	2	2								21	3	10
<b>COAL</b> ...	0	0	2				Whinstone, white at						
				16	0	1	top and dark blue						
Grey beddy freestone	1	0	0				towards <i>bottom coal</i> ,						
Freestone ...	6	4	0				a stone run and						
Blue metal ...	0	1	0				mixed at top ...	0	2	7			
Limestone, mixed with							<b>COAL</b> , coarse, with						
red ochre ...	0	0	2				sulphate of iron ...	0	0	3			
Beddy limestone and											0	2	10
metal ...	0	0	4				Dark thilly metal ...	0	2	9			
Whinstone ...	2	3	0				Grey thill stone ...	1	5	3			
Hard white stone ...	0	1	3								2	2	0
Freestone ...	8	0	0										
Carried forward	18	3	9	16	0	1	Total ...				40	2	9

\* Approximate sea level (Ordnance datum).

N.B.—The coal was never reached, on account of a whin dyke being 80 yards to the south of pit.

## No. 1,782.—SHILBURNHAUGH.

TOWNSHIP OF WELLHAUGH, NORTHUMBERLAND.

Sheet 58 of Ordnance Map. Lat. , Long.

*Section of a Drift near Shilburnhaugh, East of Burn, and about 300 yards North-east of the Bridge over Whickhope Burn.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
<b>COAL</b> — <i>Shilburnhaugh Seam</i> .						
Shale ...	1	3	0			
<b>COAL</b> (as seen at Hawkhope) ...	0	1	2			
Shale ...	1	0	0			
Girdles ...	1	3	0			
Whin (hard limestone, full of fossils) ...	1	2	0			
				5	3	2
Total ...				5	3	2

Average dip, one in ten.

## No. 1,783.—SHILDON.

TOWNSHIP OF SHOTLEY HIGH QUARTER, NORTHUMBERLAND.

Sheet 108 of Ordnance Map. Lat. , Long.

*Section of Strata at Shildon, on the River Derwent.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Heppel sill ... ..	7	0	0				Brought forward	32	0	3	27	3	0
Plate ... ..	7	0	0				Hazel ... ..	0	3	0			
High grit ... ..	8	3	6				Plate ... ..	2	1	0			
Plate and coal ... ..	0	3	3				Hazel ... ..	0	4	0			
				23	0	9	Plate ... ..	5	2	0			
Plate and white sill...	1	1	9				Limestone — <i>Little</i>						
Plate, coal, and plate	3	0	6				<i>Limestone</i> ... ..	2	1	0			
				4	2	3	Plate and coal ... ..	0	5	0			
Low grit ... ..	11	0	6								43	4	3
Plate ... ..	1	4	9				<i>Coal sill</i> ... ..	1	1	3			
Pebbles ... ..	1	0	0				Plate ... ..	2	0	0			
Plate, lime, post, and							<b>COAL</b> ... ..	0	3	0			
hazel ... ..	1	4	0								3	4	3
Crag sill ... ..	4	2	0				<i>Low Coal sill</i> ... ..	1	2	0			
Plate ... ..	4	3	6				White sill ... ..	3	4	0			
Pattinson sill ... ..	6	4	6				Grey beds ... ..	0	0	8			
White sill ... ..	2	0	0				Plate ... ..	1	0	0			
Hazel ... ..	4	5	0				Great limestone ... ..	10	0	0			
Plate ... ..	4	0	0								16	0	8
Carried forward	32	0	3	27	3	0	Total ... ..				101	0	2

## No. 1,784.—SHILDON.

TOWNSHIP OF SHILDON, DURHAM.

Sheet 42 of Ordnance Map. Lat. , Long.

*Account of the Boring at Shildon, about yards to the West from the Pit.  
April 25th, 1763.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brown soil ... ..	0	2	6				Brought forward	5	3	0			
Brown stony clay ... ..	1	0	0				Grey metal ... ..	1	0	0			
Strong clay, with							White and grey post	1	3	0			
water ... ..	4	0	6				Grey metal stone ... ..	0	4	0			
Carried forward	5	3	0				Carried forward	8	4	0			

## No. 1,784.—SHILDON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	8	4	0				Brought forward	12	0	3			
Grey post girdle ...	0	2	0				<b>COAL</b> , with a small						
Grey metal stone ...	2	4	9				hard girdle or lump						
Grey and blue metal ..	0	0	10				near top ...	0	2	2			
Soft black metal ...	0	0	8								12	2	5
							Into black grey metal.						
Carried forward	12	0	3				Total ...				12	2	5

## No. 1,785.—SHILDON.

TOWNSHIP OF SHILDON, DURHAM.

Sheet 42 of Ordnance Map. Lat. Long.

*Bored at Shildon.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	1	1	0	8	3	0
Stony clay ...	7	3	0				Grey metal, with post						
White post, with metal							girdles ...	2	2	0			
partings and water	0	3	7				Black metal ...	0	0	9			
<b>COAL</b> , foul, with							<b>COAL</b> ...	0	1	1			
water ...	0	1	5								3	4	10
				8	3	0	Grey metal ..	3	2	1			
White post, with metal							Black metal ...	0	0	5			
partings ...	0	3	0				<b>COAL</b> ...	0	1	8			
Brown and grey post,											3	4	2
with metal partings	0	4	0				Grey metal ...				0	0	6
Carried forward	1	1	0	8	3	0	Total ...				16	0	6

## No. 1,786.—SHILDON.

TOWNSHIP OF SHILDON, DURHAM.

Sheet 42 of Ordnance Map. Lat. , Long.

*First Hole bored at Shildon, in Wood's Field.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	6			
Sand, with part clay ...	0	4	6			
Stony clay ...	7	5	0			
				8	5	0
Total ...	8	5	0			

## No. 1,787.—SHILDON.

TOWNSHIP OF SHILDON, DURHAM.

Sheet 42 of Ordnance Map. Lat. , Long.*Second Hole bored at Shildon, in Nafferton West Pasture.*

Approximate surface level      feet above sea (Ordnance datum).

							Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	...	...	...	...	...	...	0	1	0			
Stony clay	...	...	...	...	...	...	0	3	0			
Gravel, with water	...	...	...	...	...	...	0	2	0			
Stony clay, with tumblers	...	...	...	...	...	...	8	1	6			
Brown post	...	...	...	...	...	...	2	0	6			
										11	2	0
Total	...	...	...	...	...	...				11	2	0

## No. 1,788.—SHILDON.

TOWNSHIP OF SHILDON, DURHAM.

Sheet 81 of Ordnance Map. Lat. , Long.*Fourth Hole bored at Shildon, in Harrison's Pasture.*

Approximate surface level      feet above sea (Ordnance datum).

							Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	...	...	...	...	...	...	0	1	0			
Stony clay	...	...	...	...	...	...	2	5	0			
COAL	...	...	...	...	...	...	0	1	4			
										3	1	4
Post girdles and metal												
partings	...	...	...	...	...	...	2	4	6			
COAL	...	...	...	...	...	...	0	1	0			
										2	5	6
Soft brown and grey												
post	...	...	...	...	...	...	1	2	2			
Grey and brown metal	...	...	...	...	...	...	2	3	0			
Black metal	...	...	...	...	...	...	0	0	4			
COAL	...	...	...	...	...	...	0	0	8			
										4	0	2
Carried forward										10	1	0
Brought forward												
Grey metal, with post										10	1	0
girdles and water...	...	...	...	...	...	...	3	1	6			
Black metal	...	...	...	...	...	...	0	0	6			
COAL, with water...	...	...	...	...	...	...	0	1	7			
										3	3	7
Grey metal stone	...	...	...	...	...	...	1	3	5			
Grey and brown post	...	...	...	...	...	...	2	0	0			
Blue metal	...	...	...	...	...	...	2	0	0			
COAL	...	...	...	...	...	...	0	2	0			
										5	5	5
Black metal	...	...	...	...	...	...				0	1	0
Total	...	...	...	...	...	...				19	5	0

NOTE.—Bored another hole 2 fathoms and laid off by whin tumblers.



## No. 1,789.—SHILDON.

TOWNSHIP OF SHILDON, DURHAM.

Sheet 42 of Ordnance Map. Lat. , Long.

*Strata bored through in Mr. Hughes' Field, on South side of the New Shildon Workshops, on Lord Eldon's Estate.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
From the surface to the red sandstone				2	5	0	Brought forward	4	3	9	17	3	0
Red stone ...	1	1	0				Brown sandstone ...	0	0	11			
Black metal ...	0	1	0				<b>COAL</b> ...	0	2	1			
White stone ...	4	1	0								5	0	9
Soft red sandstone ...	2	0	6				Seggar ...	1	1	1			
Hard red, similar to ironstone ...	1	0	0				Ironstone ...	0	0	1			
Sandstone ...	5	1	9				Seggar ...	0	2	6			
Black metal ...	0	2	4				Black jet ...	0	0	3			
<b>COAL</b> ...	0	2	5				<b>COAL</b> ...	0	3	3			
				14	4	0					2	1	2
Thill ...	0	2	0				Grey stone ...	0	0	3			
Seggar ...	2	4	0				White sandstone ...	0	3	1			
Ironstone ...	0	0	1				Blue metal ...	0	2	10			
Seggar ...	1	3	8				Ironstone (like) ...	0	1	2			
							Blue metal ...	1	4	6			
							Whinstone ...	0	0	0 $\frac{1}{2}$			
											2	5	10 $\frac{1}{2}$
Carried forward	4	3	9	17	3	0	Total ...				27	4	9 $\frac{1}{2}$

## No. 1,790.—SHILDON.

TOWNSHIP OF SHILDON, DURHAM.

Sheet 42 of Ordnance Map. Lat. , Long.

*Strata bored through at Shildon Works, near the Engine Shed, in Sir George Musgrave's Estate. March 20th, 1855.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Depth of hole at the commencement ...	8	1	0				Brought forward	15	1	5	13	2	3
Blue metal ...	1	2	4				Blue metal ...	0	3	4			
Grey metal ...	2	0	8				Black metal ...	0	2	10			
COAL ...	0	1	6				Grey metal ...	4	5	4			
				11	5	6	COAL ...	0	1	1			
Seggar clay ...	0	4	9								21	2	0
COAL ...	0	4	0				Thill ...	0	3	10			
				1	2	9	Post ...	0	1	3			
Grey post ...	11	2	3				Blue metal ...	1	3	1			
Grey metal, with post girdles ...	3	4	7				COAL, with grey post	0	3	0			
Ironstone ...	0	0	7								2	5	2
							Grey post ...				0	1	0
Carried forward	15	1	5	13	2	3	Total ...				37	4	5

No. 1,791.—SHILDON.

TOWNSHIP OF SHILDON, DURHAM.

Sheet 42 of Ordnance Map. Lat. , Long.

*Account of Strata sunk through at Surtees Colliery, Old Shildon.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Outset ...	1	3	4			
Soil and clay...	2	2	0			
Soft freestone	1	1	0			
Hard white post	7	0	0			
Grey metal ...	5	0	0			
Strong white post	8	0	0			
Grey metal ...	0	1	5			
Carried forward	25	1	9			

No. 1,792.—SHILDON.

TOWNSHIP OF SHILDON, DURHAM.

Sheet 42 of Ordnance Map. Lat. , Long.

*Account of Strata at Shildon Engine Pit. 1830.*

Approximate level      feet below sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	...	0	1	6		
Strong clay ...	...	1	0	0		
Pipe clay ...	...	1	0	0		
Soft blue clay ...	...	7	5	6		
Carried forward	10	1	0			

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	10	1	0			
<i>Five-Quarter Seam—</i>						
		Ft.	In.			
COAL ...	...	1	0			
COAL, splint	0	9				
COAL ...	...	3	0			
White band	3	0				
COAL ...	...	5	6			
		2	1	3		
Carried forward	12	2	3			

## No. 1,792.—SHILDON.—CONTINUED.

Brought forward	Fs.	Ft.	In.	Fs.	Ft.	In.		Brought forward	Fs.	Ft.	In.	Fs.	Ft.	In.
	12	2	3						17	2	0	12	2	3
Thill ...	0	4	0					<i>Main Coal Seam—</i>						
Soft blue metal ...	2	0	0											
Grey metal, with post girdles ...	3	0	0											
Whin, with water ...	0	3	0											
Grey metal, with post girdles and water...	4	0	0											
Blue metal, with post girdles and water...	6	0	0											
Dark blue metal, with iron girdles ...	1	1	0											
Carried forward	17	2	0	12	2	3								

	Ft.	In.		Ft.	In.
	1	6		1	6
COAL ...	1	6		1	6
Brown band ...	0	0½		0	0½
COAL ...	4	0		4	0
COAL, coarse ...	0	6		0	6
COAL, splint, with water	1	6		1	6
				1	1 6½
				18	3 6½
Black metal ...	0	0	4		
Thill ...	0	1	0		
COAL, with several small bands ...	3	0			
Brown band ...	0	11			
COAL, slaty	0	11			
				0	4 10
				1	0 2
Total ...				31	5 11½

## No. 1,793.—SHILDON.

TOWNSHIP OF SHILDON, DURHAM.

Sheet 42 of Ordnance Map. Lat. , Long.

*An Account of Sinking at the Colliery of Robert Surtees, Esq., Royal Shildon Wallsend, in the year 1831.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.			Fs.	Ft.	In.	Fs.	Ft.	In.
Fine loamy soil ...	0	1	0					Brought forward	20	0	0			
Clay ...	0	2	6					White post, very close and little water ...	2	0	0			
Sand and gravel ...	2	5	6					COAL, foul...	0	0	4			
Strong white post, mixed with rife partings ...	6	3	0									22	0	4
Blue metal, mixed with scares of grey post ...	3	3	0					White post ...	1	4	0			
White post, rife of partings ...	4	0	0					Blue metal ...	0	1	6			
Grey metal, mixed with brown girdles	2	3	0					COAL, mixed with lime and fire-coal..	0	3	2			
												2	2	8
Carried forward	20	0	0					Strong grey metal ...	0	1	0			
								Strong black stone ...	1	2	0			
												1	3	0
								Total ...				26	0	0

SECTION OF THE COAL.—In this seam there is 1 foot of coarse fire-coal at the bottom. 4 inches of splint upon the top of it, 1 foot 4 inches of fire-coal mixed with small scares of black bands, and the remaining 6 inches are of black slaty bands.—EDWARD CRONE.

## No. 1,794.—SHILDON.

TOWNSHIP OF SHILDON, DURHAM.

Sheet 42 of Ordnance Map. Lat. , Long.

*Strata sunk through at the Water House, Soho, by the Stockton and Darlington Railway Company. April, 1859.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Blue clay ...	...	6	3	3			Brought forward				21	1	6
Freestone post ...	...	9	3	0			Seggar clay ...	...	1	3	0		
<b>COAL</b> ...	...	0	1	1			Blue metal ...	...	4	1	9		
					16	1	<b>COAL</b> ...	...	0	3	7		
Seggar clay ...	...	0	4	5							6	2	4
Grey metal ...	...	2	5	2			Stone band ...	...	0	3	2		
Post girdles ...	...	1	0	4			<b>COAL</b> ...	...	0	2	9		
<b>COAL</b> ...	...	0	2	3							0	5	11
					5	0							
						2							
Carried forward					21	1	Total ...	...			28	3	9

## No. 1,795.—SHILDON.

TOWNSHIP OF SHILDON, DURHAM.

Sheet 42 of Ordnance Map. Lat. , Long.

*Account of the Boring at Shildon Lodge, about 170 yards West from Daniel Adamson's Public House, on Robert Surtees' Estate. April 12th, 1830.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	...	0	3	0			Brought forward	18	5	0			
Gravel and water ...	...	0	4	0			Strong white and grey post, with a yellow sand parting at 4 feet from the top...	3	5	6			
Grey metal, with scares of coal ...	...	0	5	0			<b>COAL</b> ...	0	0	4			
Grey metal stone, with post girdles ...	...	1	2	7							22	4	10
White and brown post (set away the water at 8½ fathoms) ...	...	5	3	5			Grey post, with black scares ...	...	1	2	10		
Grey metal, with post girdles ...	...	3	4	0			Grey metal with iron-stone balls ...	...	0	2	4		
Mild grey post, inclining to metal stone	...	3	3	0									
Grey post, with scares of coal ...	...	0	1	6			<b>COAL</b> , foul... Ft. In.	0	5				
Grey post ...	...	2	2	6			<b>COAL</b> , with water, rather splinty and coarse in places ...	2	9				
											0	3	2
											2	2	4
Carried forward					18	5	0	Carried forward			25	1	2



## No. 1,795.—SHILDON.—CONTINUED.

Brought forward			Fs.	Ft.	In.	Fs.	Ft.	In.
			25	1	2			
Dark grey metal stone, with whin girdles...	1	0	2					
Black stone, with whin girdles ...	1	3	6					
Grey metal stone ...	2	2	0					
Grey metal stone, with post girdles and water ...	2	2	0					
Dark grey metal, with girdles ...	1	1	0					
Grey metal, with post girdle and water in places ...	5	0	4					
<b>COAL</b> , with a scare of brass near the top, and burns to brown ashes ...	0	1	10					
				13	4	10		
Grey metal ...	0	3	0					
Grey stone, with girdles ...	3	2	6					
Strong white post ...	0	4	8					
Grey metal stone, with white post girdles..	2	4	10					
Strong white post ...	0	4	6					
				8	1	6		
Whin ...	0	0	10					
Strong white post ...	1	0	8					
Whin girdle ...	0	0	9					
Strong white post, with water at 49½ fathoms ...	1	4	9					
<b>COAL</b> ...	0	0	5					
				3	1	5		
Carried forward				50	2	11		
Brought forward			Fs.	Ft.	In.	Fs.	Ft.	In.
			50	2	11			
Dark grey metal stone, with post girdles ...	2	1	1					
Strong white post, mixed with whin ...	0	1	6					
Strong white post ...	0	4	0					
Grey metal stone ...	0	2	0					
<b>COAL</b> ...	0	0	8					
						3	3	3
Grey metal stone, inclining to post ...	2	2	10					
Strong white post ...	0	3	0					
Grey metal, with whin girdles ...	2	5	0					
Dark metal stone, with strong ironstone girdles ...	1	1	9					
Grey metal stone, with hard girdles (into)	1	4	9					
						8	5	4
<i>Recommended June 6th, 1853 :—</i>								
Dark metal stone ...	5	2	0					
Strong white post, mixed with whin ...	2	2	0					
<b>COAL</b> ...	0	3	10					
						8	1	10
Grey metal stone ...	0	5	10					
White post, mixed with whin ...	2	3	8					
Whin (29 shifts) ...	0	2	5					
White post, mixed with whin ...	4	1	0					
Whin (into) ...	0	2	1					
						8	3	0
Total ...						79	4	4

Left off 21st January, 1854.

## No. 1,796.—SHILDON.

TOWNSHIP OF SHILDON, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 37' 32", Long. 1° 38' 57".

*Account of Strata sunk through in the Furnace Shaft, Shildon Lodge Colliery. November, 1864.*

Approximate surface level 445 feet above sea (Ordnance datum).

			Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	...	...	0	1	0			
Blue stony coarse clay			0	4	0			
			<hr/>					
Carried forward			0	5	0			

			Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward			0	5	0			
Loose rubble post	...		0	0	7			
			<hr/>					
						0	5	7
			<hr/>					
Carried forward						0	5	7

## No. 1,796.—SHILDON.—CONTINUED.

Brought forward			Fs.	Ft.	In.	Fs.	Ft.	In.
			0	5	7			
Ft. In.								
<b>COAL</b> (north side of pit 10 inches, south 6 inches) ...			0	10				
Soft grey metal, with post girdles ...			1	1				
<b>COAL</b> ...			0	6				
			0	2	5			
Seggar clay ...			7	1	10	0 2 5		
Grey metal, with post girdles ...			0	0	5			
<b>COAL</b> ...			0	2	0	7 4 3		
Seggar clay ...			1	3	0			
Grey post ...			0	3	0			
Blue metal, with coal pipes ...			1	0	1			
Seggar clay ...			0	3	0			
<b>COAL</b> , foul, mixed with stone...			0	1	6	3 4 7		
Seggar clay ...			2	4	8			
Blue metal, with iron-stone girdles ...			0	1	4			
Ft. In.								
<b>COAL</b> , top ...			1	2				
Seggar clay band ...			3	10				
<b>COAL</b> , bottom ...			2	0		1 1 0		
			4	2	6			
Fire clay thill ...			4	0	5			
White post (20 gallons of water per minute) ...			0	2	8			
Whin ...			1	2	0			
White post ...			1	3	0			
Post girdles, with metal partings ...			1	1	7			
Grey post ...			0	2	0			
Whin ...			0	5	4			
Grey post ...			0	1	0			
<b>COAL</b> ...			0	5	0	10 5 0		
Seggar clay, with iron-stone balls...			2	2	4			
Grey metal, with post girdles ...			3	1	4			
Black stone, mixed with coal ...			0	0	9			
Dark grey metal ...			0	2	7			
White post ...			0	3	0			
Grey metal ...			0	2	2			
<b>COAL</b> (a 5-inch band of fire clay 6 inches from the top) ...			0	2	3	7 2 5		
Carried forward			35	1	3			
Brought forward			Fs.	Ft.	In.	Fs.	Ft.	In.
			35	1	3			
Seggar clay ...			0	2	0			
Grey metal, with iron-stone balls...			3	4	0			
<b>COAL</b> (270 gallons of water per hour) ...			0	2	6	4 2 6		
Seggar clay ...			0	3	0			
Strong stony grey metal, with post girdles ...			2	1	6			
<b>COAL</b> — <i>Busby Bank Seam</i> (680 gallons of water per hour) ...			0	3	0	3 1 6		
Seggar clay ...			0	1	10			
Grey post ...			1	3	3			
Grey whin ...			0	3	9			
Grey post ...			2	3	0			
Strong white rough post ...			2	3	8			
Grey metal stone ...			0	1	3			
<b>COAL</b> ...			0	0	6	7 5 3		
Seggar clay ...			0	2	2			
Dark grey metal ...			0	2	6			
Grey post, with metal partings (water 800 gallons per hour) ...			1	3	9			
Grey metal ...			0	3	6			
<b>COAL</b> , splint ...			0	0	1	3 0 0		
Grey metal, with iron-stone bands ...			0	5	8			
Post girdles, with metal partings (water 840 gallons per hour) ...			1	1	4			
<b>COAL</b> ...			0	0	9	2 1 9		
Seggar clay ...			0	3	0			
Grey post ...			0	3	6			
Grey metal, with iron-stone balls...			1	2	0			
<b>COAL</b> ...			0	1	0	2 3 6		
Seggar clay ...			0	2	0			
Post girdles, with metal partings ...			3	0	0			
Grey whin ...			0	1	6			
Post girdles, with metal partings ...			2	0	1			
<b>COAL</b> — <i>Brockwell Seam</i> ...			0	5	4	6 2 11		
Seggar clay ...			0	2	9			
Post girdles, with metal partings ...			1	3	3	2 0 0		
Total ...			*67	0	8			

\* Approximate sea level 42 feet below this.

## No. 1,797.—SHINCLIFFE.

TOWNSHIP OF SHINCLIFFE, DURHAM.

Sheet 27 of Ordnance Map. Lat. \_\_\_\_\_, Long. \_\_\_\_\_

*Account of the Boring in Shincliffe Estate. October 3rd, 1836.*

Approximate surface level \_\_\_\_\_ feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Stony clay ... ..	1	3	6			
Blue leafy clay ... ..	2	1	0			
Brown leafy clay, mixed with sand in several places ... ..	20	4	6			
				24	3	0
Total ... ..				24	3	0

## No. 1,798.—SHINCLIFFE.

TOWNSHIP OF SHINCLIFFE, DURHAM.

Sheet 27 of Ordnance Map. Lat. 54° 45' 17", Long. 1° 32' 15".

*Section of Strata sunk through at Shincliffe Colliery, east of Turnpike Road. Commenced September 11th, 1837.*

Approximate surface level 300 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Yellow clay ... ..	0	1	0				Brought forward	16	2	7			
Blue clay ... ..	0	1	4				Sandy clay ... ..	0	0	5			
Sand, dark, loamy, and damp ... ..	0	3	8				Clay, blue and strong	3	3	7			
Blue loamy clay ... ..	0	1	0				Sand parting ... ..	0	0	6			
Sand, dark, loamy, and damp ... ..	0	1	8				Clay, blue and strong	0	3	0			
Blue loamy clay ... ..	0	1	6				Sand parting ... ..	0	0	6			
Sand, light, loamy, and damp ... ..	0	1	0				Clay, blue and strong	2	0	0			
Clay, blue and strong	2	2	0				Brown leafy clay ...	1	2	6			
Sand, light, loamy, and dry ... ..	1	1	0				Clay, brown and strong	0	1	9			
Fine clay, mixed with loamy sand ... ..	0	4	0				Dry loam (bucket door holes in this loam)	3	2	2			
Sand, light, loamy, and dry ... ..	0	2	0				Dry sand ... ..	0	2	0			
Dark loamy clay ... ..	0	4	0				Damp sand (top of cistern holes for high pump) ... ..	0	0	6			
Sand, loamy, fine, and dry ... ..	3	5	8				Very strong brown clay, mixed with stone ... ..	1	3	0			
Sand, sharp and dry ...	1	5	6				Blue metal, very soft and jointy (got first water) ... ..	2	0	4			
Sand, loamy and dry ...	1	1	5				White post girdle ...	0	1	0			
Damp sand ... ..	0	4	0				Dark metal, scared with post ... ..	0	3	6			
Sand, quick, with water ... ..	0	5	4				Post girdles, with metal partings ... ..	0	2	6			
Clay, blue and strong	0	4	6										
Carried forward	16	2	7				Carried forward	32	5	10			

## No. 1,798.—SHINCLIFFE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	32	5	10				Brought forward				59	1	7
Dark post, scared							Blue metal ...	0	3	10			
with blue ...	0	3	0				<b>COAL</b> ...	0	0	8			
Dark metal ...	0	0	8								0	4	6
<b>COAL</b> ...	0	0	6				Blue metal ...	0	0	8			
				33	5	0	Very strong white						
Soft thill stone, with							post ...	1	2	4			
water ...	0	2	0				Grey metal and post						
Blue metal, very jointy							girdles ...	1	2	6			
and more water ...	2	0	0				Blue metal ...	1	5	7			
Grey post and more							Grey metal and post						
water ...	0	1	10				girdles ...	0	3	3			
<b>COAL</b> ...	0	0	7				Dark metal ...	0	3	10			
				2	4	5	Soft blue metal ...	0	3	4			
Thill stone ...	0	1	6				White post ...	0	2	10			
Grey metal stone, with							Grey metal ...	0	2	6			
post girdles ...	0	5	0				<i>Hutton Seam</i> —						
White post ...	3	4	0				<b>COAL</b> , good	Ft. In.					
White post, full of	8	4	1				Band ...	4	1½				
water ...	2	0	3			*	<b>COAL</b> , splint	1	8½				
<b>COAL</b> — <i>Low Main</i>										0	5	10½	
<i>Seam</i> ...	0	2	5								8	2	8½
				15	5	3	<i>Sump</i> —						
Soft stone ...	0	0	7				Soft thill stone ...	0	0	6			
<b>COAL</b> , coarse ...	0	0	11				Strong thill stone ...	0	4	0			
				0	1	6	White post ...	0	5	0			
Mild grey metal ...	0	4	0				Black stone ...	0	4	6			
Strong white post ...	0	4	0				Blue stone ...	1	2	6			
Grey metal ...	4	2	0				Grey metal ...	0	3	4			
Dark blue metal ...	0	5	8				White post ...	0	2	0			
<b>COAL</b> ...	0	0	9				In grey post ...	1	2	0			
				6	4	5					5	5	10
Carried forward				59	1	7	Total ...				74	2	7½

\* Approximate sea level (Ordnance datum).

## No. 1,799.—SHINCLIFFE.

TOWNSHIP OF SHINCLIFFE, DURHAM.

Sheet 27 of Ordnance Map. Lat. , Long.

*Account of Strata bored through from the Hutton Seam, Shincliffe Colliery.  
Commenced June 21st, 1867, and finished February 10th, 1868.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to thill of <i>Hut-</i>							Brought forward	3	1	7	68	3	9½
<i>ton Seam</i> ...				68	3	9½	Dark grey metal, with						
Grey metal thill ...	0	5	0				water and gas ...	0	4	6			
Strong grey post ...	0	3	6				Grey metal, with post						
Grey metal ...	0	3	3				girdles ...	3	2	6			
Hard white post ...	1	1	10				Black stone, mixed						
							with coal ...	0	1	0			
							Strong grey post ...	0	3	5			
Carried forward	3	1	7	68	3	9½	Carried forward	8	1	0	68	3	9½



## No. 1,799.—SHINCLIFFE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	8	1	0	68	3	9½	Brought forward	113	4	5½			
Dark grey metal, with hard post girdles, gas, and water ...	1	5	3				Strong grey metal, with post girdles ...	0	5	6			
<b>COAL</b> , with gas ...	0	0	5				Hard white post, dark at top and bottom, with soft dark part- ings, a little gas and water ...	8	5	6			
				10	0	8	Grey metal, with iron- stone girdles ...	0	1	5			
Light grey thill ...	0	0	7				Black stone, with gas	0	0	6			
Hard white post, with gas and water ...	1	5	6				<b>COAL</b> , heavy blower of gas ...	0	0	5			
Strong grey metal, mixed with iron- stone girdles, dark near the bottom ...	5	2	9								10	1	4
Strong grey metal, with post girdles ...	4	4	5				Grey metal thill ...	0	0	8			
<b>COAL</b> — <i>Harvey Seam</i>	0	1	10				Dark grey metal, with hard girdles and gas at bottom ...	2	1	8			
				12	3	1	Grey and white post, with soft partings	1	4	4			
Brown metal thill, with ironstone ...	2	2	7				Soft grey metal, with post girdles ...	2	5	1			
Black stone, mixed with <i>coal</i> (gave off gas) ...	0	0	6				Very hard white post	0	1	6			
Light grey metal thill	0	2	9				Strong grey metal ...	0	0	10			
<b>COAL</b> , coarse, gas given off ...	0	0	4				Snappy black stone...	0	0	11			
				3	0	2	<b>COAL</b> ...	0	0	8			
											7	3	8
Dark grey metal ...	0	1	6				Hard brown thill ...	0	1	5			
Strong light grey me- tal ...	0	2	3				Strong grey post, with soft partings and 3 feet of very hard post in the middle	2	3	3			
Strong grey post, with metal partings ...	2	4	0				Strong grey metal ...	0	1	1			
Hard white post, with metal partings ...	9	4	9				<b>COAL</b> , slaty, with a little gas ...	0	0	7			
Dark grey metal ...	0	0	2								3	0	4
<b>COAL</b> ...	0	0	7										
				13	1	3	Strong grey metal ...	0	2	3			
							Strong grey post ...	2	1	6			
Brown metal thill ...	0	1	8				Blue metal, with iron- stone girdles ...	2	1	2			
Strong grey metal, with post girdles ...	3	5	7				Strong grey metal, with post girdles and a little water...	2	2	6			
Soft dark grey metal	0	0	9				Hard white post ...	1	1	3			
							Strong grey metal, with thin post gir- dles ...	1	4	7			
<b>COAL</b> , coarse Ft. In.	0	4					Hard white post, with partings ...	1	4	5			
<b>COAL</b> ...	1	4					Strong grey metal stone, with gas ...	1	2	4			
				0	1	8	Hard white post ...	1	0	4			
				4	3	8							
Brown metal thill ...	0	2	3										
Strong grey metal, with post girdle ...	0	4	2										
Soft dark grey metal, with scares of <i>coal</i> , gas given off ...	0	2	5										
<b>COAL</b> , coarse ...	0	1	0										
				1	3	10							
Carried forward	113	4	5½				Carried forward	14	2	4	134	3	9½

## No. 1,799.—SHINCLIFFE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	14	2	4	134	3	9½	Brought forward				152	2	2½
Strong grey post, hard at the top ...	1	5	0				Light grey metal thill	0	2	0			
Snappy grey metal, with thin post girdles ...	1	2	6				Grey post ...	0	4	4			
COAL, slaty, very coarse ...	0	0	7				Strong light grey post	0	5	0			
				17	4	5	Strong dark grey post, with metal partings	1	0	2			
											2	5	6
Carried forward				152	2	2½	Total ...				155	1	8½

## No. 1,800.—SHIPCOTE.

TOWNSHIP OF GATESHEAD EAST WARD, DURHAM.

Sheet 3 of Ordnance Map. Lat. 54° 57' 33", Long. 1° 35' 41".

*Section of Strata at the North Pit, Shipcote Colliery.*

Approximate surface level 160 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Gravel ...	1	2	0				Brought forward				33	4	1
Clay ...	0	4	0				Fire clay ...	0	4	6			
Gravel ...	2	1	9				Grey metal ...	6	2	1			
Freestone post ...	6	1	5				White post ...	1	4	11			
COAL— <i>High Main</i>							COAL— <i>Bensham</i>						
Seam ...	1	0	0				Seam ...	0	3	2			
				11	3	2					9	2	8
Grey metal and post girdles ...	5	0	3				Blue metal ...	2	0	8			
COAL— <i>Metal Coal</i>							White post, with water	9	0	8			
Seam ...	0	4	0				Fire clay ...	0	5	0			
				5	4	3	COAL— <i>6¼ or Maudlin</i>						
Blue metal ...	3	5	4				Seam ...	0	3	6			
COAL— <i>Stone Coal</i>											12	3	10
Seam ...	0	1	8				Blue metal ...	3	0	3			
				4	1	0	COAL— <i>5¼ Seam</i>	0	2	6			
Fire clay ...	0	2	0								3	2	9
Blue metal ...	5	1	11				Blue metal and post girdles ...	4	4	2			
COAL ...	0	1	10				White post, with water	4	1	5			
				5	5	9	ter ...	0	3	0			
Fire clay ...	0	1	10				Blue metal ...	0	3	0			
White post, with water	5	3	1				COAL— <i>Low Main</i>						
COAL— <i>Yard Seam</i>	0	3	0				or <i>Hutton Seam</i>	0	5	10			
				6	1	11					10	2	5
Carried forward				33	4	1	Total ...				69	3	9

## No. 1,801.—SHIREMOOR.

TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

, Long.

*Bored on Shiremoor, about 290 yards South-east from the West Boundary Stone,  
and 250 yards South-east from the Hole at the Boundary, in 1749.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and yellow clay...	0	4	6					4	2	10	29	0	8
Blue stony clay ...	1	1	6										
				2	0	0							
Soft brown post, with red partings and water ...	7	3	0										
Soft metal ...	0	2	0										
Black metal ...	0	0	4										
Blue grey metal ...	0	3	0								6	5	3
Black metal ...	0	0	8										
Brownish red metal...	1	0	0										
Blue metal ...	3	3	0										
Grey metal stone, with post girdles and water ...	0	3	0								1	3	2
Grey metal stone ...	0	4	0										
Black metal ...	0	0	6										
COAL ...	0	0	6	14	2	0							
Black and grey metal	0	2	0										
Grey metal stone, with post girdles and water ...	1	3	0										
Blue metal, with gir- dles or catheads ...	0	5	0										
Grey metal stone ...	1	0	0										
Blue and grey metal, with catheads ...	2	3	0										
Black metal ...	0	2	0										
Grey metal stone, with post girdles and water ...	1	3	0										
Grey post, with water	3	4	0										
Grey metal ...	0	4	0										
Black metal, scared with coal ...	0	0	4								3	2	11
Blue grey metal ...	0	1	6										
Black metal ...	0	0	2										
COAL, foul...	0	0	8	12	4	8							
Black and grey metal, with some small scares of coal ...	0	2	4										
Grey metal, with white and grey post girdles	3	3	0										
Blue metal, with cat- heads ...	0	3	0										
Black metal ...	0	0	6										
Carried forward	4	2	10	29	0	8							
Brought forward	4	2	10	29	0	8							
Grey metal stone, with post girdles ...	1	2	0										
Whin girdle ...	0	0	4										
Grey metal, with cat- heads ...	0	4	6										
Blue metal ...	0	1	0										
COAL ...	0	0	7										
Grey metal ...	0	4	0										
Blue metal ...	0	4	0										
Black metal ...	0	0	3										
COAL ...	0	0	11										
Black metal, scared with coal ...	0	0	4										
Grey metal ...	0	1	0										
Grey post, with water	1	0	0										
Blue and grey metal, with small scares of coal ...	0	1	4										
Strong white post, with whin and wa- ter ...	0	1	6										
Grey post, with blue metal partings ...	1	0	0										
Blue metal, with cat- heads ...	0	3	0										
Black metal ...	0	1	2										
COAL ...	0	0	7										
Blue metal ...	0	0	8										
Grey post ...	0	3	0										
Grey metal stone, with post girdles and water ...	1	2	0										
Grey post ...	1	2	0										
Grey and white post, with metal partings	0	5	0										
Grey and black metal	0	2	0										
Grey metal, with post girdles ...	1	3	6										
Blue and black metal	0	1	6										
Grey metal ...	0	5	0										
Grey and white post, with metal partings and water ...	1	3	0										
Grey metal ...	0	2	0										
Carried forward	8	5	8	41	0	0							

## No. 1,801.—SHIREMOOR.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	8	5	8	41	0	0	Brought forward	30	2	0	41	0	0
Black metal, with some small scares of coal	0	0	4				Soft white post	0	1	0			
Grey metal stone	0	3	0				Strong white post girdles	0	2	2			
White post	3	4	6				White post girdles, with black scames	0	1	10			
White post girdles and water	1	4	0				White and grey girdly post	0	5	0			
Whin	0	0	6				<i>High Main Seam—</i>						
White post	0	2	0										
Strong white post, mixed with whin	0	2	0										
White post, with blue metal partings and water	1	4	0				COAL	3	7				
Whin	0	0	4				Scare band or brass lump	0	2				
Grey scamy post	0	4	0				COAL	2	10				
Blue metal, with cat-heads	0	2	0							1	0	7	
Black slaty metal	0	0	8										33 0 7
Jet, with some white sparks in it	0	0	10				Grey and blue metal	0	0	9			
Grey post	0	5	0				<i>Bottom Coal of High Main Seam—</i>						
Blue and black metal	1	3	0										
Grey metal	0	2	0				COAL	0	10				
Grey and white post, with metal partings	1	0	0				Blue metal, mixed with coal	0	2				
White post, mixed with whin	0	2	0				COAL	0	6				
White post	0	3	6				Black metal, mixed with coal	0	6				
Whin	0	0	10				COAL, hard	0	3				
White post	6	5	0				foul	0	3				
White post, mixed with whin	0	0	6							0	2	3	
Blue scamy parting	0	0	4				In blue metal				0	3	0
											0	0	8
Carried forward	30	2	0	41	0	0	Total				74	4	3

## No. 1,802.—SHIREMOOR.

TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

*Account of Strata bored through on Shiremoor, near Green's Gate. 1755.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay	1	4	0				Brought forward	3	0	0			
Sandy clay, with water	0	1	0				Blue and black stony clay	3	1	0			
Blue and black stony clay	0	4	0				A hard stone, supposed to be a tumbler	0	0	8			
Sand, with water	0	3	0										
Carried forward	3	0	0				Carried forward	6	1	8			



## No. 1,802.—SHIREMOOR.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	6	1	8				Brought forward	22	3	8	24	3	0
Blue clay ...	2	5	0				Black metal, with coal	0	0	6			
Whin tumbler ...	0	0	4				<b>COAL</b> ...	0	0	7	22	4	9
Blue and black stony clay ...	3	0	0				Grey metal, with post girdles ...	1	3	0			
Sandy clay ...	0	3	0				Blue and black metal	2	2	0			
Blue and black stony clay ...	4	4	0				<b>COAL</b> , mixed with metal ...	0	1	0			
Soft ramby post, with water ...	1	4	0								4	0	0
Blue metal, with girdles ...	1	2	0				Grey metal stone ...	1	0	0			
Black metal, with coal	0	0	7				White post ...	6	3	0			
Soft grey and blue metal ...	1	3	0				Grey metal, with girdles ...	0	3	0			
Blue metal ...	0	4	0				Blue and black metal	0	1	0			
Blue metal, scared with coal ...	0	0	9				<i>High Main Seam—</i>						
<b>COAL</b> , with water...	0	1	3	22	5	7	<b>COAL</b> ...	0	7				
							<b>COAL</b> , foul ...	0	2				
							<b>COAL</b> ...	5	10				
Soft metal, with girdles ...	1	3	0							1	0	7	
<b>COAL</b> , foul...	0	0	5	1	3	5					9	1	7
							Blue metal, mixed with coal ...	0	0	4			
Grey metal ...	1	3	0				<i>Bottom Coal of High Main Seam—</i>						
Grey post, with partings and set away the water ...	3	0	0				<b>COAL</b> , hard ...	0	8				
Blue metal with girdles ...	5	0	0				<b>COAL</b> , foul ...	0	10				
Grey post, with water	1	3	0				Blue metal, mixed with coal ...	0	5				
Whin ...	0	1	8				<b>COAL</b> , foul ...	0	9				
White post, with partings and water ...	4	0	0							0	2	8	
Strong white post ...	1	3	0								0	3	0
White post ...	4	5	0				In grey metal ...				0	0	8
Blue and grey metal...	1	0	0										
Carried forward	22	3	8	24	3	0	Total ...				61	1	0

## No. 1,803.—SHIREMOOR.

TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

*Shiremoor, near Brown's Mill. 1756.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay...	3	1	6				Brought forward	5	1	0			
Ramble and post ...	1	3	0				Brown post, with water	2	3	0			
Blue and grey metal	0	2	6				<b>COAL</b> , foul...	0	0	7	7	4	7
Carried forward	5	1	0				Carried forward				7	4	7

## No. 1,803.—SHIREMOOR.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				7	4	7	Brought forward	12	2	0	10	1	1
Grey and blue metal	1	4	6				<i>High Main Seam—</i>						
A grey post girdle or lump	0	0	6				COAL ...	3	6				
Grey and black metal	0	3	0				COAL, hard						
COAL, foul...	0	0	6				foul brassy	0	3				
				2	2	6	COAL ...	2	4				
							COAL, soft						
Blue and black metal	3	0	0				danty ...	0	1				
Grey metal and metal							COAL ...	0	5				
stone ...	2	0	0							1	0	7	
White post ...	2	2	0				Grey metal ...	0	0	2			13 2 7
Whin ...	0	1	6				<i>Bottom Coal of High</i>						
White post, with water	1	1	6				<i>Main Seam—</i>						
Brown metal stone ...	0	2	6				COAL ...	0	11				
Grey and white post,							COAL, foul						
with water ...	2	3	0				brassy ...	0	11				
Black metal, mixed							COAL ...	0	6				
with coal ...	0	0	6				Black metal,						
Blue and black metal,							scared with						
with some small							coal ...	0	3				
white girdles or										0	2	7	
lumps ...	0	3	0				In blue metal					0	2 9
												0	0 10
Carried forward	12	2	0	10	1	1	Total ...					24	1 3

## No. 1,804.—SHIREMOOR.

TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

*Shiremoor, about 400 yards North of the Engine. November 8th, 1756.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to the scaffold.						
Box ...	2	1	6			
Brown post, with small scares of coal pipes and water	6	0	0			
Grey metal ...	0	1	6			
COAL— <i>High Main Seam</i> ...	1	0	3			
Black grey metal ...	0	0	3			
COAL— <i>Bottom Coal of High Main Seam</i> ...	0	2	2			
				9	5	8
In grey metal				0	0	5
Total	10	0	1			

## No. 1,805.—SHIREMOOR.

TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

*Account of the Boring near Shiremoor, about 600 yards to the South from the Fell Gate and 20 yards West from the Wagonway. 1765.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and stony clay ...	2	3	0				Brought forward	35	1	6			
Gravel, with a mixture of clay and water...	1	0	0				Soft blue grey metal	3	0	0			
Sand ...	0	1	3				Blue and black metal	0	4	0			
Stony clay ...	18	1	9				Black metal, with a mixture of coal ...	0	0	6			
Grey and blue metal	0	4	9								39	0	0
Brown gullely post ...	0	0	9				Grey metal ...	0	3	0			
Grey post, with brown scamy partings ...	5	0	0				Grey and red scamy metal stone ...	0	3	0			
Whin ...	0	2	0				Grey metal ...	0	2	0			
Grey and brown post, with scamy partings and water ...	6	3	0				Reddish brown post...	0	5	0			
Grey metal stone, with girdles ...	0	3	0				In red and grey post	3	2	0			
											5	3	0
Carried forward	35	1	6				Total ...				44	3	0

## No. 1,806.—SHIREMOOR.

TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

*Account of Boring at Shiremoor (supposed near Prospect Hill). October 6th, 1788.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to the top of a coal about 1 yard thick ...	12	3	9				Brought forward	23	2	4			
Box and old borehole	8	4	3				Grey metal ...	0	1	0			
Grey and scamy post	0	5	0				Grey metal stone, with post girdles and me- tal parting ...	6	0	5			
Whin ...	0	1	2				<b>COAL</b> ...	0	0	8			
Scamy post ...	0	0	6								29	4	5
White post, mixed with whin ...	0	1	6				Grey metal, with scares of coal ...	0	0	4			
Scamy post ...	0	3	4				Grey metal ...	0	0	8			
Black stone ...	0	0	10				<b>COAL</b> ...	0	0	4			
											0	1	4
Carried forward	23	2	4				Carried forward				29	5	9

## No. 1,806.—SHIREMOOR.—CONTINUED.

Brought forward				Fs.	Ft.	In.	Fs.	Ft.	In.
Grey metal stone ...	1	2	0	29	5	9			
COAL, with water...	0	2	2						
				1	4	2			
Blue metal ...	0	0	4						
Grey metal stone, with water ...	1	3	6						
Raised box ...	0	3	0						
Whin ...	0	1	0						
Grey metal stone, with post girdles and water ...	3	1	0						
Dark grey metal ...	0	3	4						
Black and grey metal, with scares of coal ...	0	0	9						
Grey metal ...	1	1	5						
Grey metal stone, with post girdles and water ...	3	0	0						
Soft white metal ...	0	0	6						
Dark grey metal, with girdles ...	1	3	3						
Black slaty metal ...	0	0	6						
COAL ...	2	6							
Black metal ...	0	4							
COAL ...	2	0							
				0	4	10			
				12	5	5			
Grey metal, with post girdles and water...	1	5	5						
White post ...	0	4	0						
Grey metal ...	0	5	0						
Carried forward	3	2	5	44	3	4			

Brought forward				Fs.	Ft.	In.	Fs.	Ft.	In.
Black stone, with scares of coal ...	0	1	0	3	2	5	44	3	4
Black stone ...	0	3	6						
COAL, foul... Ft. In.	1	6							
Grey metal ...	1	6							
COAL, soft ...	0	4							
COAL, splint ...	0	4							
COAL ...	0	8							
				0	4	4			
							4	5	3
Grey metal ...	0	0	4						
White post ...	3	5	0						
Strong white post, mixed with whin...	0	5	0						
Strong white post ...	1	5	8						
Whin mixture ...	0	0	10						
Grey metal stone, with girdles and water...	1	1	0						
Grey metal ...	0	1	0						
COAL or black stone ... Ft. In.	0	4							
COAL, not good ...	0	9							
COAL ...	2	0							
				0	3	1			
							8	3	11
Soft grey metal ...	0	1	8						
Left off boring in grey post ...	0	0	7						
							0	2	3
Total ...				58	2	9			

## No. 1,807.—SHIREMOOR.

TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

*Account of a Boring in the Polly Pit, Shiremoor, from the Thill of the High Main Coal. July 22nd, 1794.*

Approximate surface level feet above sea (Ordnance datum).

			Fs.	Ft.	In.	Fs.	Ft.	In.				Fs.	Ft.	In.	Fs.	Ft.	In.						
Box	...	...	5	0	0										Brought forward	7	1	1					
Grey metal stone	...	...	2	0	0										Blue stone	...	...	0	3	4			
Whin girdle	...	...	0	1	1										White post	...	...	1	0	0			
Carried forward			7	1	1										Carried forward			8	4	5			



## No. 1,807.—SHIREMOOR.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	8	4	5				Brought forward				34	4	7½
Grey post, with metal partings and water	1	2	0				Blue stone ...	0	3	0			
White post ...	1	2	2				Grey post ...	3	1	4			
Grey stone ...	0	2	0				Post girdles, with partings ...	0	3	10			
<b>COAL</b> — <i>Metal or Stone Coal Seam</i> ...	0	2	8½				Strong post girdles ...	1	2	0			
				12	1	3½	Grey stone ...	0	3	3			
Thill ...	0	1	0				Blue stone ...	0	3	1			
Grey metal stone ...	3	0	6				<b>COAL</b> ...	0	4	1			
Whin girdle ...	0	0	10								7	2	7
Dark blue metal stone	1	2	10				Blue stone ...	0	3	0			
Grey post, with water	1	1	0				Post girdles, with metal partings ...	0	5	0			
<b>COAL</b> ...	0	0	9				White post ...	0	2	0			
				6	0	11	Blue stone ...	0	5	1			
White post, with metal partings ...	1	5	0				Grey post ...	0	3	2			
Blue metal ...	0	1	0				Strong post, with metal partings ...	1	4	9			
<b>COAL</b> , stony ...	0	0	3	1			Whin girdle ...	0	0	9			
				2	3	1	Strong white post, mixed with whin ...	0	4	0			
Blue stone ...	0	2	0				Strong whinny post ...	1	1	0			
White post ...	0	2	8				Whin girdle ...	0	1	2			
Blue stone ...	1	0	0				White post ...	4	0	0			
Grey stone ...	0	5	0				<b>COAL</b> ...	0	0	6			
White post ...	0	2	0								11	0	5
Whin ...	0	2	0				Grey stone ...	0	4	8			
White post ...	0	3	0				Whin girdle ...	0	0	6			
Post girdles, with metal partings ...	1	3	8				Grey stone ...	1	2	8			
Grey stone ...	0	4	2				Strong post ...	0	1	0			
Post girdles, with metal partings ...	1	2	6				Grey stone, with hard lumps ...	0	5	7			
Grey stone, with hard lumps ...	1	2	0				Blue stone, with whin girdles ...	1	0	0			
							Whinny post ...	0	2	5			
<b>COAL</b> , with a middle band	2	0					Grey stone ...	0	3	0			
Blue metal stone	2	6					<b>COAL</b> ...	0	2	6			
<b>COAL</b> ...	3	0									5	4	10
				1	1	6	Grey metal stone ...	0	4	0			
				10	0	6	Whin post ...	0	2	0			
Thill ...	0	0	8				Grey post ...	0	3	0			
White post ...	1	1	6				Whin girdle ...	0	1	0			
Grey post ...	0	2	8				Grey post ...	0	1	6			
Black stone ...	0	2	6				Blue stone ...	0	1	3			
White post ...	0	1	6				<b>COAL</b> ...	0	1	8			
White post, with metal partings ...	0	3	4								2	2	5
Whin ...	0	2	2				Grey stone ...	0	1	9			
White post ...	0	2	0				<b>COAL</b> ...	0	1	0			
<b>COAL</b> ...	0	0	6								0	2	9
				3	4	10	Grey stone ...	0	3	0			
							In hard post ...	12	0	0			
											12	3	0
Carried forward	34	4	7½										

Total depth below the  
High Main Coal ... 74 2 7½

## No. 1,808.—SHIREMOOR.

TOWNSHIP OF EARSDON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.  $55^{\circ} 2' 26''$ , Long.  $1^{\circ} 36' 10''$ .*Account of Strata bored through in No. 1 Hole on Shiremoor, 700 yards West from Earsdon, in the Lane close to Bertram Place. Finished September 3rd, 1818.*

Approximate surface level 117 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sand and soil ...	0	1	6				Brought forward	2	5	5	23	2	8
Brown clay ...	0	3	0				Blue stone ...	0	3	0			
Blue gravelly clay ...	0	4	0				Black stone ...	1	5	2			
Sand, with <i>small coal</i>							<b>COAL</b> ...	0	0	5			
and water ...	0	5	0								5	2	0
Blue gravelly clay ...	1	1	6										
Grey scamy post girdles ...	1	4	0				Grey thill ...	0	3	0			
Black stone, mixed							Grey post ...	0	2	0			
with <i>coal</i> ...	0	1	2				White post, with whin						
Grey thill ...	0	3	0				clyers ...	9	1	4			
Grey metal stone, with							Grey metal stone, with						
post girdles ...	2	3	0				girdles ...	0	3	6			
Dark grey metal ...	0	1	0										
Black stone, mixed							<i>High Main Coal</i>						
with <i>coal</i> at bottom	0	1	0				<i>Seam</i> —						
				8	4	2	<b>COAL</b> ...	Ft.	In.				
							<b>COAL</b> , slaty	0	1				
Grey thill ...	0	3	4				<b>COAL</b> ...	2	7				
Post girdles, with metal parting	1	3	6				Swad ...	0	3				
White post, with partings, whin clyers, and water ...	8	4	0				<b>COAL</b> , ground	0	5				
	3	4	0			*	Grey thill ...	0	9				
Grey metal ...	0	1	4				<b>COAL</b> , bottom	2	1				
<b>COAL</b> ...	0	0	4							1	3	4	
				14	4	6							
											12	0	2
Grey thill ...	0	0					Thill stone ...				0	1	0
Grey scamy post ...	0	3	0										
Dark grey metal, with scamy post girdles	2	2	0										
Carried forward	2	5	5	23	2	8	Total ...				41	0	10

\* Approximate sea level (Ordnance datum).

## No. 1,809.—SHIREMOOR.

TOWNSHIP OF EARSDON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

*Account of Strata bored through in No. 2 Hole in West end of Fenwick's Moor, and 100 yards North of Earsdon Lane, on Shiremoor. Begun September 4th, 1818; finished December 2nd, 1818.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	1	0				Brought forward				50	2	9
Brown gravelly clay..	0	5	0				Light grey thill ...	0	2	0			
Blue gravelly clay ...	2	3	0				Grey metal ...	0	2	0			
Scamy grey metal							Grey scamy post ...	1	0	0			
stone, with post							Scamy grey post gir-						
girdles ... ..	3	3	0				dles, with partings	0	5	9			
Whin girdles, with							Grey metal ...	0	3	3			
metal ... ..	2	1	0				Scamy grey post gir-						
Grey scamy post, with							dle, with partings..	2	2	3			
water ... ..	0	5	0				Grey metal stone, with						
Grey metal stone ...	1	0	6				girdles ... ..	2	1	4			
	Ft.	In.					<b>COAL</b> , mixed with						
<b>COAL</b> ... ..	0	8					black stone ...	0	0	3			
Grey metal ... ..	0	4									7	4	10
<b>COAL</b> ... ..	0	6											
			0	1	6								
						11	2	0					
Grey thill ... ..	0	3	0				Light grey thill stone	0	3	6			
<b>COAL</b> ... ..	0	0	4				Grey post ... ..	0	3	2			
				0	3	4	Scamy grey metal						
Grey thill ... ..	0	2	0				stone, with girdles	3	4	9			
Grey metal girdles ...	4	1	8				Dark grey metal, with						
Dark and light grey							girdles ... ..	0	5	0			
metal at bottom ...	2	1	5				Black stone, mixed						
<b>COAL</b> ... ..	0	2	7				with — at bottom	0	2	2			
				7	1	8	Grey stone thill ...	0	3	6			
Grey stone thill ...	0	3	0				Grey post ... ..	0	5	0			
Light and dark grey							Grey metal stone, with						
metal, and metal							white post girdles	1	0	4			
stone, with girdles	13	4	9				Grey metal stone, with						
Black stone, with gir-							white post girdles	1	0	0			
dles ... ..	0	5	0				White post ..	3	5	4			
<b>COAL</b> , mixed with							<b>COAL</b> , danty ...	0	0	10			
black stone ...	0	0	8								13	3	7
				15	1	5							
Grey thill ... ..	0	4	6				Left off in grey thill				0	4	6
White post, with whin													
clyers, partings, and													
water ... ..	15	1	2										
<b>COAL</b> ... ..	0	0	8										
				16	0	4							
Carried forward				50	2	9	Total ... ..				72	3	8

## No. 1,810.—SHIREMOOR.

TOWNSHIP OF EARSDON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 55° 2' 18", Long. 1° 30' 50".

*Account of Strata bored through in No. 3 Hole, on Shiremoor, against the South Hedge of Storey's House, 100 yards West from Moor Edge. Begun December 3rd, 1818; finished January 11th, 1819.*

Approximate surface level 195 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	18	4	0	12	2	4
Brown clay ...	1	0	0				Dark grey metal stone,	1	2	8			
Blue gravelly clay ...	3	0	8				with girdles ...	0	3	4			*
Sand ...	0	1	4				<b>COAL</b> ...	0	0	2			
Blue gravelly clay ...	0	1	8								20	4	2
Livery clay ...	0	3	0				Grey thill ...	0	0	6			
Blue gravelly clay ...	1	2	4				Grey post ...	0	3	6			
Grey metal, with post							Post girdle ...	1	2	0			
girdles ...	0	5	6				Grey metal stone ...	1	4	0			
Black stone ...	0	1	0				<b>COAL</b> ...	0	1	2			
Grey metal stone ...	2	2	9								3	5	2
Post girdles, with me-							Grey thill ...	1	0	0			
tal partings ...	1	3	0				Dark grey metal stone	1	0	3			
Dark grey metal ...	0	2	10				Black stone, mixed						
<b>COAL</b> ...	0	1	3				with coal ...	0	1	0			
				12	2	4	Dark grey metal, with						
Grey thill ...	0	2	0				girdle ...	2	3	0			
Scamy post girdle,							Dark grey metal, with						
with metal partings	2	4	8				girdles ...	1	2	0			
Grey metal stone ...	1	4	0				Post girdle, with						
Dark grey metal, with							scamy partings ...	1	1	0			
girdles ...	1	5	0				White post ..	1	2	3			
Dark blue stone ...	0	3	0				Scamy grey metal ...	0	1	0			
Light grey metal stone	1	1	6										
Grey post and whin													
girdles, with metal													
partings ...	1	0	0				<b>COAL</b> ...	Ft. In.					
Grey metal stone, with							Grey metal ...	0	4½				
girdles ...	2	0	0				<b>COAL</b> ...	0	3				
Black stone ...	0	0	10							0	2	4½	
Grey thill ...	0	2	6										
Dark grey metal, with											9	0	10½
girdles ...	0	5	0				Grey thill ...	0	0	8			
Light grey metal, with							Grey metal, with metal						
girdles ...	2	5	0				and post girdles ...	2	2	10			
Grey post girdles, with							Dark grey metal ...	0	1	6			
metal partings ...	2	3	0				Black stone, mixed						
Grey metal ...	0	3	0				with coal ...	0	0	11			
Black stone ...	0	0	6				Grey thill ...	0	1	0			
							Grey metal stone ...	0	1	0			
											3	1	11
Carried forward	18	4	0	12	2	4	Total ...				49	2	5½

\* Approximate sea level (Ordnance datum).



## No. 1,811.—SHITTLEHEUGH.

TOWNSHIP OF OTTERBURN, NORTHUMBERLAND.

Sheet 51 of Ordnance Map. Lat. , Long.

*Bored in the North-west Corner of Shittleheugh Estate, near Otterburn, by Thomas Patterson.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Grey metal ...	5	0	0				Brought forward	9	5	2			
Yellow freestone ...	1	3	0				COAL, soft danty ...	0	0	3			
Grey metal ...	0	3	2				Yellow metal ...	0	2	0			
White freestone ...	1	0	10				COAL, soft danty ...	0	0	5			
Grey metal ...	1	2	0				White metal... ..	0	0	5			
COAL, drossy ...	0	0	8				COAL, soft danty ...	0	0	5			
White metal... ..	0	1	6								10	2	8
Carried forward	9	5	2				Total ... ..				10	2	8

## No. 1,812.—SHORESWOOD.

TOWNSHIP OF SHORESWOOD, NORTHUMBERLAND.

Sheet 6 of Ordnance Map. Lat. 55° 42' 32", Long. 2° 4' 3".

*Account of Strata sunk through at Messrs. Carr & Co.'s Shoreswood Colliery, near Berwick, North Northumberland, in 1843.*

Approximate surface level 265 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	0	9				Brought forward	22	2	3			
Soft white freestone	10	3	3				Main Coal or Bulman						
White freestone, with							Seam—	Ft.	In.				
partings ... ..	7	4	0				COAL ... ..	0	8				
Soft tills, with water	1	1	6				Grey stone.. ..	0	8				
White freestone, with							COAL ... ..	1	4				
water ... ..	0	2	6				Chalk stone	0	1				
Dark blue metal ...	2	2	3				Hard grey						
							stone ... ..	1	10				
							COAL, splint	1	4				
							COAL, ground	0	8				
							Chalk stone	0	1				
							COAL, sooty	0	11				
										1	1	7	
Carried forward	22	2	3								23	3	10
							Carried forward				23	3	10

## No. 1,812.—SHORESWOOD.—CONTINUED.

Brought forward			Fs.	Ft.	In.	Fs.	Ft.	In.
			23	3	10			
Blue metal	...	...	0	1	0			
Hard tills	...	...	0	2	2			
Soft tills	...	...	0	1	4			
COAL			Ft. In.					
			1 2					
Limestone	...	...	1	3				
COAL	...	...	0	11				
			0 3 4					
			1 1 10					
Blue metal	...	...	0	3	11			
COAL	...	...	0	0	11			
			0 4 10					
Grey stone	...	...	0	1	2			
Blue metal	...	...	1	2	0			
Limestone	...	...	0	2	10			
COAL	...	...	0	0	9			
			2 0 9					
Blue metal	...	...	0	2	4			
Grey stone	...	...	0	0	8			
COAL			Ft. In.					
			0 10					
Grey stone	...	...	0	8				
COAL	...	...	1	4				
			0 2 10					
			0 5 10					
Metal	...	...	0	5	8			
Freestone	...	...	1	2	1			
Dark blue metal	...	...	0	4	0			
Soft white freestone	...	...	0	2	1½			
Dark grey stone	...	...	0	4	9			
Dark blue metal	...	...	0	1	0			
COAL	...	...	0	0	5			
			4 2 0½					
Dark blue metal	...	...	0	1	10			
Limestone	...	...	0	0	5			
Freestone	...	...	0	1	11			
Hard grey stone, with water	...	...	1	1	2			
Dark blue metal	...	...	2	0	0			
White freestone	...	...	0	3	9			
Soft tills	...	...	0	1	0			
Hard white freestone	...	...	0	3	0			
Light blue metal	...	...	1	2	2			
Limestone	...	...	0	1	11			
COAL			Ft. In.					
			1 0					
Grey soft stone or middle stone	...	...	0	4				
COAL	...	...	0	8				
			0 2 0					
			7 1 2					
Metal	...	...	0	0	5			
Grey stone or macker	...	...	0	2	1			
Carried forward			0	2	6.40	2	3½	

Brought forward			Fs.	Ft.	In.	Fs.	Ft.	In.
			0	2	6.40	2	3½ <td></td>	
COAL—Three-Quarter Coal								
...	...	...	0	2	1	0	4	7
Black metal	...	...	0	3	0			
COAL	...	...	0	0	2½	0	3	2½
			0 4 7					
Light blue metal	...	...	0	0	4½			
Dark brown limestone	...	...	0	1	4			
Soft metal	...	...	0	0	8			
COAL	...	...	0	0	5	0	2	9½
			0 2 9½					
Metal	...	...	0	1	0			
Limestone	...	...	0	3	0			
Cooper Eye Seam—								
COAL			Ft. In.					
			1 4					
Midstone (dark blue metal)	...	...	0	9				
COAL	...	...	1	2½		0	3	3½
			1 1 3½					
Soft light blue metal	...	...	0	3	2			
Dark brown limestone	...	...	0	0	10			
Dark blue metal	{	...	0	0	10			
			0 0 8					
Hard flinty mottled stone, sparry and jointy	...	...	0	3	1			
Dark blue metal	...	...	0	1	10			
Soft light blue metal	...	...	0	0	8			
Dark blue metal	...	...	0	4	3			
Hard freestone band	...	...	0	0	4			
Blue metal, with ½-inch ironstone bands	...	...	0	2	1½			
Dark blue limestone	...	...	0	0	7			
Soft dark blue metal	...	...	0	0	6			
COAL	...	...	0	0	2	3	1	0½
			0 5 0					
Soft blue metal	...	...	0	1	8			
White freestone band	...	...	0	0	2			
Soft light blue metal	...	...	0	0	4			
Hard flinty freestone	...	...	0	1	2			
Soft blue metal, with balls of ironstone	...	...	0	1	6			
COAL	...	...	0	0	2	0	5	0
			0 5 0					
Dark blue metal, with balls of ironstone	...	...	0	3	6			
Soft light blue metal, with hard balls	...	...	0	5	4	1	2	10
			1 2 10					
Total			...	...	48	5	0½	

\* Approximate sea level (Ordnance datum).

## No. 1,813.—SHORTRIDGE.

TOWNSHIP OF LOW BUSTON, NORTHUMBERLAND.

Sheet 39 of Ordnance Map.          Lat.         , Long.         *Borings at Shortridge, near Warkworth, by W. Wilson. First Hole at Shortridge House. 1864.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay...	0	4	0				Brought forward				21	5	7
Freestone ...	14	0	0				Black metal ...	0	1	6			
Blue metal and iron-							White metal...	0	3	8			
stone ...	2	0	5				Blue metal ...	0	5	6			
White metal...	1	1	2				Freestone and metal...	1	0	9			
Blue metal ...	0	1	0				White freestone ...	1	3	0			
Bastard freestone ...	0	4	0				Blue metal ...	0	5	4			
Freestone and metal...	1	1	9				Freestone ...	0	0	6			
Blue metal ...	1	4	9								5	2	3
<b>COAL</b> ...	0	0	6										
				21	5	7							
Carried forward				21	5	7	Total ...				27	1	10

## No. 1,814.—SHORTRIDGE.

TOWNSHIP OF LOW BUSTON, NORTHUMBERLAND.

Sheet 39 of Ordnance Map.          Lat.         , Long.         *Second Hole, North-west of the House and about 20 yards from the Railway. 1865.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay...	0	4	0				Brought forward	5	0	7	0	4	6
<b>COAL</b> ...	0	0	6				Limestone ...	0	0	9			
				0	4	6	Metal ...	0	1	4			
Grey metal ...	1	4	0				Freestone ...	0	1	5			
Limestone ...	0	1	0				Blue metal and free-						
Metal ...	2	0	6				stone ...	1	5	8			
Freestone and metal..	0	3	9								7	3	9
Blue metal ...	0	3	4										
Carried forward	5	0	7	0	4	6	Total ...				8	2	3





## No. 1,817.—SHORTRIDGE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	6	0	0				Brought forward	27	5	9			
Limestone ...	0	1	4				White freestone, with						
Freestone ...	1	1	2				water, about 16 gal-	2	0	3			
Blue metal ...	0	1	1				lons per minute,	3	1	4			*
Grey freestone ...	0	3	11				running to surface						
Limestone ...	0	4	5				Blue metal ...	0	2	2			
Grey freestone ...	1	0	10				Dark freestone ...	0	4	1			
Blue metal ...	4	2	0				Dark metal ...	0	3	2			
Hard flinty freestone	2	0	0				Dark freestone ...	1	4	5			
Metal and freestone...	1	5	7				Dark metal ...	1	0	6			
Grey freestone ...	1	4	0				Grey freestone ...	2	0	9			
Metal ...	0	1	6				Beddy metal...	1	2	0			
Hard dark freestone...	0	1	2				Grey freestone ...	1	0	2			
Blue metal ...	2	2	6				Blue metal ...	0	3	9			
Good blue limestone...	0	4	0								42	4	4
Metal and freestone...	0	4	0										
Grey metal ...	0	2	7										
Grey freestone ...	3	1	8										
Carried forward	27	5	9				Total ...				42	4	4

N.B.—These strata are in the Millstone Grit and the top part of the Carboniferous Limestone series.

\* Approximate sea level (Ordnance datum).

## No. 1,818.—SHOTTON.

TOWNSHIP OF SHOTTON, DURHAM.

Sheet 28 of Ordnance Map. Lat. , Long.

*Account of a Borehole near Shotton.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...	12	0	0				Brought forward	69	0	8½			
Yellow and brown							Red metal ...	0	2	5			
limestone ...	50	0	0				Mild black metal ...	0	1	0			
Blue limestone ...	2	0	3				Blue metal ...	0	2	0			
Sand, very strong near							Red post ...	1	1	7			
the top ...	4	0	2				Strong red post, ap-						
Mild blue metal ...	1	0	2				proximating to whin	0	0	5			
Grey post girdle ...	0	0	1½								71	2	1½
Carried forward	69	0	8½				Total ...				71	2	1½

## No. 1,819.—SHOTTON.

TOWNSHIP OF SHOTTON, DURHAM.

Sheet 28 of Ordnance Map. Lat.  $54^{\circ} 45' 54''$ , Long.  $1^{\circ} 22' 56''$ .*Shotton Colliery, Section of the Engine Pit.*

Approximate surface level 460 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset ... ..	3	0	3				Brought forward	70	1	7			
Soil ... ..	0	1	0				Blue and brown post						
Yellow clay, with							girdles ... ..	0	0	4			
gravel and water ...	0	4	0				Soft blue metal ...	0	5	0			
Blue clay ... ..	4	1	0				Soft blue metal, scared						
Dry gravel ... ..	0	3	6				with black... ..	0	4	0			
Strong blue clay ...	1	0	5				Soft red metal ...	0	2	6			
Dry sand, with gravel	0	0	7				Strong black stone ...	0	0	6			
Strong blue clay,							Soft blue metal ...	0	1	0			
mixed with stones..	1	4	6				Red metal ... ..	1	0	6			
Dry sand ... ..	0	0	4				Mild red and grey post						
Brown clay ... ..	1	2	0				(2 wedging cribs laid						
Dry gravel ... ..	0	2	4				in this post for a						
				13	1	11	permanent founda-						
Limestone ramble ...	1	3	3				tion) ... ..	0	4	6			
Strong brown lime-							Blue red whin girdle,						
stone ... ..	13	0	0				3 feet thick on east						
Strong yellow lime-							side of pit, and 6						
stone (got the first							inches thick on west						
water at this part-							side ... ..	0	1	9			
ing) ... ..	5	2	0							4	2	1	
Strong light brown							Mild grey metal ...	1	2	0			
limestone ... ..	14	5	0				Grey post girdle ...	0	2	6			
Very strong grey lime-							Blue and red metal {	0	1	10			*
stone, with white							{	0	1	2			
partings and water,							Grey post girdle ...	0	1	0			
50 galls. per minute	9	0	0				Blue metal ... ..	0	2	6			
Mild yellow limestone							COAL ... ..	0	2	8			
and water feeder,													
30 galls. per minute	5	3	7							3	1	8	
Strong brown lime-							Thill stone ... ..	0	0	9			
stone, with several							Strong red and grey						
gullets and water,							metal ... ..	0	4	10			
45 galls. per minute	2	1	4				Grey post ... ..	0	3	0			
Strong brown lime-							Strong coarse white						
stone ... ..	0	1	4				post ... ..	1	3	5			
Strong yellow lime-							Red and blue metal ...	1	0	6			
stone, mixed with							Strong white post,						
brown ... ..	0	3	3				mixed with red ...	2	2	6			
Strong blue limestone,							COAL ... ..	0	1	2			
in thin panels ...	0	2	4							6	4	2	
				52	4	1	Soft thill ... ..	0	0	4			
Blue and grey metal	0	1	4				Grey post ... ..	0	4	0			
Sand, with water ...	2	4	3				Strong grey metal ...	1	2	10			
Strong sand or post,							Strong grey post ...	0	0	10			
feeder 256 galls.							Strong blue metal ...	1	1	0			
per minute ... ..	1	2	0				COAL ... ..	0	1	0			
				4	1	7				3	4	0	
Carried forward				70	1	7	Carried forward			88	1	6	

\* Approximate sea level (Ordnance datum).

## No. 1,819.—SHOTTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				88	1	6
Soft thill, with scares of coal ... ..	0	0	8			
Grey metal, with thin post girdles ... ..	0	4	0			
Blue and red metal ...	1	2	4			
Mild grey post ... ..	0	3	0			
Strong white post ...	7	5	8			
Very strong mixture post, like granite ...	0	2	6			
Strong flinty white post, with a red parting at top ... ..	0	1	2½			
Black stone, with coal	0	0	3			
				11	1	7½
Grey metal, with post girdles, a rise trouble to the west of 2 feet	1	4	4			
Grey post ... ..	2	0	0			
Blue metal ... ..	3	2	7			
Strong grey metal ...	1	4	11			
Mild grey metal ...	1	1	7			
Strong grey metal and metal girdles ... ..	4	0	5			
Black stone ... ..	0	0	3			
COAL, splint ... ..	0	1	0½			
				14	3	1½
Strong thill and metal	0	3	6½			
Strong grey metal ...	0	3	8			
Strong grey metal and post girdles ... ..	2	5	8			
Blue metal ... ..	1	5	8			
COAL ... ..	0	0	3			
Black stone, with coal	0	3	1½			
<i>Three-Quarter Seam—</i>						
	Ft.	In.				
COAL, coarse	0	3				
COAL, good	1	8				
Band ... ..	0	4½				
COAL, good	1	0				
Band ... ..	0	1½				
COAL, rather coarse ... ..	0	3½				
Band ... ..	0	2				
COAL ... ..	0	3				
				0	4	1½
				7	2	0½
Soft metal, with iron balls ... ..	0	4	0			
Blue metal, with iron girdles ... ..	0	4	3½			
Mild grey post ... ..	2	2	6			
Grey metal, soft at bottom ... ..	1	3	10			
Black stone ... ..	0	0	1½			
Carried forward	5	2	9	121	2	3½

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	5	2	9	121	2	3½
<i>Five-Quarter Seam—</i>						
	Ft.	In.				
COAL, splint	0	3				
COAL, coarse	0	3½				
COAL, tender	3	4				
				0	3	10½
				6	0	7½
Strong thill stone ...	0	2	5½			
Dark metal ... ..	0	0	9½			
Grey metal ... ..	0	1	3			
Dark metal and coal bands ... ..	0	1	8			
	Ft.	In.				
COAL, coarse	0	3				
Grey metal band	1	6				
COAL ... ..	1	7				
				0	3	4
				1	8	6
Thill ... ..	0	1	8			
Grey metal ... ..	0	2	1			
Grey post ... ..	0	3	0			
Grey metal ... ..	1	1	4			
Strong dark grey post	2	1	4			
Grey metal ... ..	0	1	4			
Strong white post ...	2	5	4			
Black metal partings	0	0	3			
Strong white post ...	4	4	1			
<i>Main Coal Seam—</i>						
	Ft.	In.				
COAL, coarse	2	9				
Splint ... ..	0	9				
COAL, rather coarse ... ..	0	10½				
				0	4	4¼
				13	0	9½
Thill ... ..	0	0	10			
Grey post ... ..	1	1	0			
Grey metal ... ..	0	4	6			
Blue metal ... ..	0	1	5			
Black stone ... ..	0	1	5			
COAL, foul ... ..	0	0	6			
				2	3	8
Thill ... ..	0	0	9			
Grey metal ... ..	4	3	6			
White post girdles ...	0	0	9			
Blue metal ... ..	0	2	6			
Grey post ... ..	0	1	9			
Strong white post ...	1	4	1			
Grey post, with metal partings ... ..	1	2	1			
Whitish blue post ...	1	2	5			
Mild grey post ... ..	4	1	3			
Strong white post ...	4	4	8			
COAL—Low Main Seam ... ..	0	2	9			
				19	2	6
Carried forward				164	1	4½

## No. 1,819.—SHOTTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				164	1	4½	Brought forward	1	4	4½	172	5	6
Dark thill ...	0	0	4½				Very strong brown post ...	0	1	3			
Grey metal, with post girdles ...	5	2	8				Strong white post, with beds of metal	2	4	6			
<b>COAL</b> — <i>Brass Thill Seam</i> ...	0	1	2	5	4	2½	Grey post, mixed with metal and strong girdles at bottom ...	1	2	8			
Grey metal ...	0	2	4				<i>Hutton Seam</i> —						
Dark metal ...	0	0	6				<b>COAL</b> , good	1	6				
Grey post ...	0	2	10				Band ...	0	2				
Dark grey metal ...	0	2	0				<b>COAL</b> ...	2	5				
White post girdle ...	0	1	0				Swad ...	0	1				
Grey metal, with post girdles, very dark at bottom ...	1	2	9				<b>COAL</b> , bot- tom ...	1	3½				
<b>COAL</b> ...	0	0	6	2	5	11				0	5	5½	
Soft metal ...	0	0	4½				Thill ...	0	1	4	7	0	3
Strong white post girdle, with beds of grey metal...	1	4	0				Black stone parting...	0	0	2			
							Strong grey thill ...	0	1	2			
Carried forward	1	4	4½	172	5	6	Total ...				180	2	5

## No. 1,820.—SHOTTON.

TOWNSHIP OF SHOTTON, DURHAM.

Sheet 28 of Ordnance Map. Lat. 54° 45' 53", Long. 1° 22' 56".

*Account of Strata sunk through in the North Pit, Shotton Colliery. Commenced November 18th, 1840.*

Approximate surface level 460 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset walling	...	2	0	2			Brought forward	35	2	0	12	0	5
Soil	...	0	1	0			Very strong grey lime-						
Clay, mixed with sand,							stone, with white						
gravel, and stones...	9	5	3				partings and water	9	4	0			
				12	0	5	Mild yellow limestone,						
Light yellow lime-							with gulleets	...	4	5	0		
stone	...	11	0	0			Strong brown lime-						
Strong brown lime-							stone, irregular, with						
stone	...	3	3	0			more gulleets	...	1	5	7		
Light yellow lime-							Strong blue limestone		0	2	4		
stone	...	6	0	0			Strong yellow lime-						
Strong brown lime-							stone, mixed with						
stone (first water at							blue alternately	...	0	3	0		
this parting)	...	2	0	0			Strong blue limestone,						
Strong light brown							in thin panels,						
limestone, with more							mixed	...	0	2	0		
water	...	12	5	0							52	5	11
Carried forward	35	2	0	12	0	5	Carried forward	65	0	4			



## No. 1,820.—SHOTTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				65	0	4		Brought forward			2	3	7
Blue and grey metal	0	1	4					White post, with water	0	1	6	88	5
Yellow sand, with								Grey metal ...	0	1	0		1
water ...	4	3	0					White post with whin,					
Strong yellow sand or								and mixed with red					
post ...	1	4	0					partings (lowest					
				6	2	4		feeder in this post)	7	4	6		
Blue and brown post								Black stone ...	0	0	3		
girdles ...	0	2	6					Soft thill stone ...	0	1	6		
Soft blue metal ...	0	3	3					Blue metal ...	0	4	5		
Soft blue metal, scared								Grey post ...	3	3	10		
with black...	0	2	9					Dark metal, with iron-					
Soft red metal ...	0	2	9					stone girdles ...	3	2	0		
Strong black stone ...	0	0	6					Strong grey metal ...	1	4	11		
Soft blue metal ...	0	0	9					Mild grey metal ...	1	1	7		
Red metal ...	0	4	6					Strong grey metal,					
Mild red and grey								with post girdles ...	3	0	2		
post (two wedging								Black stone ...	0	0	3		
cribs laid in this								COAL, splint ...	0	1	0½		
post for a permanent											25	0	6½
foundation) ...	0	2	9					Strong thill and metal	0	3	0		
Blue whin girdles ...	0	1	4					Strong grey metal ...	0	3	0		
Mild grey metal ...	1	3	7					Strong grey metal,					
Mild grey post } girdles ... }	0	0	8			*		with post girdles ...	2	2	8		
Blue metal, scared								Blue metal, mixed					
with red ...	0	3	7					with black...	1	3	8		
Mild grey post girdles	0	1	3					COAL ...	0	0	3		
Blue metal, soft at								Black stone, with coal	0	2	9		
bottom ...	0	3	3					Three-Quarter Seam—					
COAL ...	0	2	7										
				7	1	10							
Thill ...	0	0	9										
Red and grey metal...	1	2	0										
Grey post girdle ...	0	1	0										
Coarse white post ...	2	0	0										
Strong white and red													
post ...	3	1	0										
COAL ...	0	1	2										
				6	5	11							
Thill ...	0	0	4										
Strong grey thill ...	0	4	6										
Grey metal ...	0	1	3										
White post girdles and													
water ...	0	1	0										
Grey metal ...	0	1	11										
White post girdles ...	0	0	10										
Blue metal, with gir-													
dles ...	1	2	0										
COAL ...	0	0	10										
				3	0	8							
Thill, with scares of													
coal ...	0	0	7										
Grey metal, with gir-													
dles ...	0	5	0										
Red and blue metal,													
with red and grey													
post ...	0	3	0										
Grey post ...	1	1	0										
Carried forward	2	3	7	88	5	1		Carried forward	1	0	2	127	1

\* Approximate sea level (Ordnance datum).

## No. 1,820.—SHOTTON.—CONTINUED.

Brought forward		Fs.	Ft.	In.	Fs.	Ft.	In.
		1	0	2	127	1	10
Ft. In.							
COAL	...	0	3				
Grey metal	...	1	8				
COAL	...	1	7				
—		0	3	6	1	3	8
Thill stone	...	0	1	8			
Grey metal	...	0	2	1			
Grey post	...	0	3	0			
Grey metal	...	1	1	4			
Grey post	...	2	1	4			
Grey metal	...	0	1	4			
Strong white post	...	2	5	4			
Black metal partings	...	0	0	3			
Strong white post	...	3	2	2			
COAL—Main Coal	...	0	2	3			
Seam	...	0	2	3	11	2	9
Thill stone	...	0	0	3			
Strong green metal, with thin post gir- dles	...	4	3	1			
Blue metal	...	0	1	3			
Black stone	...	0	1	5			
COAL, with stone	...	0	0	6	5	0	6
Thill stone	...	0	0	9			
Grey metal	...	5	2	6			
White post, with metal partings	...	4	2	7			
Mild grey post	...	6	0	0			
Strong white post	...	3	0	0			
COAL—Low Main	...	0	3	0			
Seam	...	0	3	0	19	2	10
Carried forward		164	5	7			

Brought forward		Fs.	Ft.	In.	Fs.	Ft.	In.		
		0	0	6	164	5	7		
Thill stone	...	0	0	6					
Strong grey metal	...	4	2	3					
Black stone	...	0	3	6					
Dark metal, with scares of coal	...	2	3	3					
COAL—Brass Thill Seam	...	0	0	8	7	4	2		
Thill stone	...	0	0	4					
Grey post girdles, with beds of strong grey metal	...	1	4	0					
COAL, strong and coarse	...	0	0	2½					
Grey post, with very strong post girdles and grey metal	...	3	4	0					
Mild grey post, with beds of metal	...	1	0	6					
Black stone	...	0	0	4½					
Hutton Seam—									
COAL, top	Ft. In.	1	6						
Stone	...	0	2						
COAL, good	...	2	5						
Band	...	0	0¼						
COAL, bot- tom	...	1	3	0	5	4¼	7	2	9
Total		...	...	180	0	6			

## No. 1,822.—SILKSWORTH.

TOWNSHIP OF SILKSWORTH, DURHAM.

Sheet 14 of Ordnance Map. Lat. 54° 52' 48", Long. 1° 24' 50".

*An Account of Strata sunk through at Silksworth Colliery, No. 1 Shaft, near Sunderland. Commenced August 16th, 1869; finished Jan. 13th, 1873.*

Approximate surface level 240 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	1	0				Brought forward	0	2	6	52	3	6
Yellow clay ... ..	0	3	0				Sand, bluish coloured						
White marl ... ..	1	3	0				and hard, with little						
Mild brown limestone	5	2	0				water ... ..	1	1	0			
White marl ... ..	0	3	0								1	3	6
Mild, light coloured							Light blue metal ...	0	1	2			
limestone, walling							Red metal ... ..	2	3	0			
crib laid 3 fms. 2 ft.							Black metal ... ..	0	0	10			
9 in. into this ...	5	0	0				Red metal ... ..	2	0	3			
Strong brown lime-							Blue metal, wedging						
stone ... ..	5	0	0				crib laid 7 in. into						
Strong brown sandy							this ... ..	0	1	6			
limestone ... ..	2	0	0				<b>COAL</b> ... ..	0	0	6			
Strong light brown											5	1	3
limestone, with wa-							Black slaty stone ...	0	0	3			
ter, walling crib laid							Thill stone ... ..	0	4	0			
2 fms. 4 ft. 4 in. into							Post ... ..	0	4	6			
this ... ..	5	2	0				Blue metal ... ..	0	2	0			
Mild, light coloured							Black metal ... ..	0	0	3			
limestone, with wa-							Thill stone, with iron-						
ter ... ..	5	1	6				stone balls... ..	1	0	9			
Very mild and light							<b>COAL</b> ... ..	0	0	4			
coloured limestone,											3	0	1
with water and							Grey metal ... ..	0	0	7			
partings ... ..	8	1	6				Post ... ..	0	0	2			
Light brown lime-							Grey metal, 2 wedging						
stone, with dark	1	1	0				cribs laid in this for						
panels ... ..	0	2	0			*	foundation of tub-						
Light brown lime-							bing; 1st crib 11 in.						
stone, with gullets	3	0	2				into this; 2nd crib						
Strong brown lime-							1 ft. 3 in. into this;						
stone girdle ...	0	0	10				all the water is in-						
Strong broken lime-							bound here, viz. 350						
stone ... ..	1	2	0				galls. per minute ...	0	1	8			
Light brown lime-							Dark grey post ...	1	1	3			
stone, with partings,							Grey metal ... ..	0	0	8			
wedging crib laid							Grey post ... ..	1	3	3			
1 fm. 1 ft. 2½ in. into							Grey metal and dark						
this ... ..	2	1	0				grey post ... ..	1	4	0			
Dark brown limestone,							Dark grey post ...	0	3	6			
with blue panels,							Grey metal ... ..	0	2	6			
wedging crib laid							Blue metal ... ..	0	3	7			
1 fm. 4 ft. 4½ in. into							Black metal ... ..	0	4	4			
this ... ..	5	3	6				Blue metal ... ..	0	1	5			
				52	3	6	Black metal ... ..	0	0	4			
Dark blue metal (fish							<b>COAL</b> ... ..	0	0	2			
bed) ... ..	0	2	6								7	3	5
Carried forward	0	2	6	52	3	6	Carried forward	69	5	9			

\* Approximate sea level (Ordnance datum).

## No. 1,822.—SILKSWORTH.—CONTINUED.

Brought forward			Fs.	Ft.	In.	Fs.	Ft.	In.	Brought forward			Fs.	Ft.	In.	Fs.	Ft.	In.
			69	5	9				0	2	6	89	2	3			
Black stone ...	...	...	0	0	2				Very dark grey metal, mixed with iron- stone balls and <i>coal</i> <i>pipes</i> ...	...	...	1	2	2			
Thill ...	...	...	0	2	10				Grey metal ...	...	...	0	4	6			
<b>COAL</b> ...	...	...	0	0	1½				<b>COAL</b> ...	...	...	0	0	1			
						0	3	1½									
Thill ...	...	...	0	1	2				Dark grey metal, with <i>coal pipes</i> at bottom	...	...	0	0	7			
Dark grey post ...	...	...	1	0	7				<b>COAL</b> ...	...	...	0	0	5			
Metal partings ...	...	...	0	0	2										2	4	3
Strong bastard post girdle ...	...	...	0	1	0				Thill stone ...	...	...	0	1	8			
Blue metal ...	...	...	0	2	0				Grey metal ...	...	...	1	5	0			
Strong ironstone gir- dle ...	...	...	0	0	1½				Blue metal ...	...	...	0	3	2			
Black stone ...	...	...	0	0	8				Ironstone girdle ...	...	...	0	0	1			
Thill stone ...	...	...	0	1	3				Black stone ...	...	...	0	0	7			
Grey metal and strong post girdle...	...	...	0	2	8				<b>COAL</b> ...	...	...	0	0	3			
Blue metal ...	...	...	0	0	9										2	4	9
Black stone ...	...	...	0	0	2				Thill stone ...	...	...	0	0	5			
<b>COAL</b> ...	...	...	0	0	8				Mild grey post, walling crib laid at top of this, 6 in. by 14 in.	...	...	0	3	2			
						2	5	2½	Strong grey metal ...	...	...	4	4	2			
Black stone ...	...	...	0	0	2				Dark red post, with 60 gallons of water per hour ...	...	...	0	3	10			
Thill stone ...	...	...	0	2	6				Light red post, with whin balls...	...	...	3	1	6			
Dark blue post ...	...	...	0	3	6				Soft grey metal ...	...	...	1	5	8			
Dark blue metal, with ironstone girdles ...	...	...	0	2	6				Black stone, with iron- stone balls...	...	...	0	1	4			
Black stone ...	...	...	0	0	9				Grey metal ...	...	...	0	1	3			
Dark grey metal ...	...	...	0	1	6				Black stone, with <i>coal</i> <i>pipes</i> and ironstone	...	...	0	1	8			
Dark grey post ...	...	...	0	3	6				Grey metal ...	...	...	0	0	8			
Dark grey metal, with <i>coal pipes</i> and balls	...	...	2	0	3				Post girdle, crib 6 in. by 14 in. ...	...	...	0	0	7			
Dark grey post and girdle ...	...	...	0	1	6				Grey metal ...	...	...	1	2	9			
Grey metal ...	...	...	0	0	8				Blue metal and iron- stone ...	...	...	0	2	2			
Grey post ...	...	...	0	0	7				Grey metal, with post girdles ...	...	...	3	2	5			
Blue metal ...	...	...	0	2	3				Blue metal, with iron- stone ...	...	...	0	3	5			
Grey post ...	...	...	0	0	8				<b>COAL</b> (Aug. 5th, 1871) ...	...	...	0	3	5			
Blue metal (leader of a trouble put in, Dipper 5 feet) ...	...	...	0	4	8										18	2	5
Black stone ..	...	...	0	2	4				Thill stone ...	...	...	0	2	5			
Blue metal ...	...	...	0	1	2				Grey metal ...	...	...	0	1	9			
Black stone ...	...	...	0	1	3				Black stone, with <i>coal</i>	...	...	0	0	2			
Thill and grey metal	...	...	2	0	8				Thill stone ...	...	...	0	2	1			
Dark grey post, with grey metal, third crib laid at top of this, 6 in. by 12 in.	...	...	5	2	0				Strong grey metal, crib 14 in. by 6 in.	...	...	5	0	9			
Blue metal, lost trouble at top ...	...	...	1	0	6				Dark grey post ...	...	...	2	2	0			
<b>COAL</b> ...	...	...	0	0	7				Grey metal, mixed with post ...	...	...	1	0	9			
						15	3	6	Grey post, no partings	...	...	6	3	0			
Soft thill stone ...	...	...	0	2	2½				Grey metal ...	...	...	0	1	3			
<b>COAL</b> , splint ...	...	...	0	0	5½												
						0	2	8									
Black stone ...	...	...	0	0	8												
Thill stone ...	...	...	0	1	10												
Carried forward	...	...	0	2	6	89	2	3	Carried forward	...	...	16	2	2	113	1	8



## No. 1,822.—SILKSWORTH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	16	2	2	113	1	8
Black stone, with $\frac{1}{2}$ in. of coal ... ..	0	0	8			
Thill stone ... ..	0	0	8			
Black stone, with coal ...	0	1	4			
Grey metal and thill...	0	3	9			
Black stone, with coal (fire brick ring crib laid) ... ..	0	0	11			
Thill stone ... ..	1	1	8			
<b>COAL</b> (Sept. 29th, 1871) ... ..	0	5	1 $\frac{1}{2}$			
				19	4	3 $\frac{1}{2}$
Dark grey metal, with thill ... ..	0	1	5			
Black stone ... ..	0	0	11			
Dark grey metal post ...	0	4	9			
Grey metal ... ..	1	3	10			
Dark grey metal and loamy post ... ..	1	5	6			
Grey metal ... ..	4	3	0			
Blue metal, crib 14 in. by 6 in. ... ..	6	1	8			
Black stone ... ..	0	1	0			
Ironstone girdle ... ..	0	0	2			
Very dark metal, with ironstone balls ...	0	2	2			
<b>COAL</b> (Nov. 10th, 1871) ... ..	0	1	6			
				16	1	11
Grey metal ... ..	0	3	6			
Strong grey post girdle ...	0	0	8			
Grey metal ... ..	0	1	9			
Black stone and coal ...	0	1	0			
Thill ... ..	0	0	8			
<b>COAL</b> ... ..	0	0	7			
				1	2	2
Thill ... ..	0	2	0			
Filtering post ... ..	6	5	0			
Coal pipe ... ..	0	0	0 $\frac{1}{2}$			
Thill stone ... ..	0	4	0			
Grey metal ... ..	0	3	0			
<b>COAL</b> ... ..	0	1	4			
				8	3	4 $\frac{1}{2}$
Dark thill ... ..	0	0	8			
Post girdle and grey metal ... ..	1	1	0			
Black stone ... ..	0	1	4			
Thill stone ... ..	0	3	2			
Grey metal and thill ...	5	5	2			
<b>COAL</b> (January 9th, 1872) ... ..	0	0	5			
				7	5	9
Strong thill and dark grey post ... ..	3	1	5			
Grey metal ... ..	1	5	0			
Black stone ... ..	2	2	1			
<b>COAL</b> ... ..	0	0	0 $\frac{1}{2}$			
Carried forward	7	2	6 $\frac{1}{2}$	167	1	2

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	7	2	6 $\frac{1}{2}$	167	1	2
Thill stone ... ..	0	1	6			
Mild post ... ..	0	3	9			
Grey metal ... ..	0	1	6			
Strong whin ... ..	0	4	6			
Strong white stone, with partings ... ..	1	2	4			
Grey metal ... ..	0	1	4			
<b>COAL</b> ... ..	0	0	11 $\frac{1}{2}$			
				11	0	5
Grey metal, with post girdles ... ..	1	2	4			
Blue metal, with iron- stone girdles ... ..	0	4	6			
Black stone, with iron- stone ... ..	1	1	7			
Dark thill ... ..	0	3	4			
Dark grey post ... ..	1	4	3			
Dark grey metal and post girdles ... ..	1	3	4			
Blue metal ... ..	0	2	6			
<b>COAL</b> (March 16th, 1872) ... ..	0	4	2			
				8	2	0
Black stone and coal ...	0	0	6			
Thill stone ... ..	0	3	4			
Grey metal ... ..	0	1	11			
Strong post, with rough partings and a little water ... ..	2	4	6			
Strong filtering post ..	4	3	6			
Post, with coal pipes ...	1	1	6			
Black stone ... ..	0	1	1			
<b>COAL</b> (May 7th, 1872) ... ..	0	3	4			
				10	1	8
Dark thill ... ..	0	1	9			
Grey metal ... ..	0	3	0			
Strong post girdle ... ..	0	1	2			
Blue metal ... ..	0	0	10			
<b>COAL</b> (May 11th, 1872) ... ..	0	1	2			
				1	1	11
Strong grey metal ... ..	0	2	4			
Strong grey post, with partings ... ..	2	2	0			
Strong post, with a little water, no part- ings ... ..	7	1	0			
Coarse, strong grey post ... ..	1	2	0			
Dark grey metal ... ..	0	3	10			
<b>COAL</b> (July 23rd, 1872) ... ..	0	0	4			
				11	5	6
Dark thill ... ..	0	0	4			
Post girdle, with metal partings ... ..	1	2	0			
Carried forward	1	2	4	210	0	8

## No. 1,822.—SILKSWORTH.—CONTINUED.

Brought forward						Fs. Ft. In.	Fs. Ft. In.	Fs. Ft. In.
Blue metal, with iron- stone balls...	2	1	4				242	2 10½
Black metal ...	0	0	10					
Strong thill stone ...	0	1	8					
Whin girdle ...	0	0	9					
Grey metal, with post girdles ...	2	4	9					
Strong grey metal ...	1	1	0					
COAL (August 22nd, 1872) ...	0	1	3					
				8	1	11		
Strong grey metal ...	0	5	2					
Soft blue metal, with ironstone ball ...	2	1	0					
Mild grey post ...	0	1	2					
Strong bastard post...	0	5	0					
Strong grey metal and dark post ...	1	1	0					
Strong grey metal ...	2	3	6					
Blue metal ...	0	3	8					
Black stone ...	0	0	3					
COAL (Sept. 14th, 1872)..	0	6						
Black stone ...	0	1						
COAL ...	2	0						
				0	2	7		
				8	5	4		
Thill stone, mixed with coal ...	0	5	0½					
Black stone ...	0	0	6					
COAL ...	0	1	3					
				1	0	9½		
Black stone, mixed with coal ...	0	1	9					
Dark thill stone ...	0	1	4					
Strong grey metal, mixed with a little post ...	2	5	6					
Black metal and iron- stone balls...	0	2	1					
Grey metal, with iron- stone balls...	1	4	6					
Dark metal ...	2	3	4					
Black stone and brass	0	2	0					
COAL (Oct. 30th, 1872) ...	0	1	4					
				8	3	10		
Strong grey metal ...	2	1	6					
Strong grey metal, with post girdles ...	2	4	5					
Blue metal ...	0	0	9					
Black stone ...	0	0	5					
COAL (Nov. 10th, 1872)..	0	9						
Stone band ...	0	3						
COAL ...	0	3						
				0	1	3		
				5	2	4		
Carried forward	242	2	10½					

Brought forward						Fs. Ft. In.	Fs. Ft. In.	Fs. Ft. In.
Black stone, mixed with coal ...	0	2	0					
Thill stone ...	0	1	0					
COAL ...	0	0	7					
				0	3	7		
Thill stone ...	0	2	7					
Grey metal and post girdles ...	0	1	8					
Dark grey metal, with iron balls ...	0	2	0					
COAL ...	0	0	0½					
				1	0	3½		
Dark thill ...	0	0	8					
Grey metal, with post	0	3	4					
Strong grey metal and post girdles ...	2	3	0					
Soft dark grey metal, with ironstone ...	2	3	5½					
COAL (Nov. 28th, 1872) ...	0	1	8					
				6	0	1½		
Thill stone ...	0	2	9					
Black stone and coal	0	0	4					
Dark thill, with iron balls ...	0	4	0					
Post girdle and metal partings ...	1	2	4					
Grey metal ...	0	2	7					
COAL ...	0	6						
Soft stone band	0	3						
COAL ...	0	1						
Soft stone band	0	2						
COAL ...	0	8						
				0	1	8		
				3	1	8		
Thill stone ...	0	1	9					
Mild post, with metal partings ...	2	3	8					
COAL ...	0	0	10½					
				3	0	3½		
Strong thill ...	0	3	8					
Post girdle and metal partings ...	1	2	6					
Black stone ...	0	2	0					
Strong grey metal, mixed with post ...	1	4	10					
Soft blue metal ...	1	1	2					
Black stone ...	0	3	4					
COAL ...	0	0	0½					
				5	5	6½		
Dark grey post, with metal partings ...	3	3	8					
Strong white post ...	0	5	0					
Dark grey leafy post	1	4	7					
Dark grey metal ...	0	1	5					
Carried forward	6	2	8	262	2	4½		

## No. 1,822.—SILKSWORTH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	6	2	8	262	2	4 $\frac{1}{2}$	Brought forward	5	3	6	274	3	2 $\frac{1}{2}$
<i>Maudlin Seam</i> —							Black stone ...	0	0	7			
COAL, good	Ft.	In.					<i>Brass Thill Seam</i> —						
Splint band..	3	9 $\frac{1}{2}$					COAL	Ft.	In.				
COAL, good	0	2					Band	... 1	0				
	1	9 $\frac{1}{4}$					COAL	... 0	0 $\frac{1}{2}$				
	0	5	9				COAL	... 0	8 $\frac{1}{2}$				
				7	2	5	Band	... 0	2				
Stone band ...	0	0	1 $\frac{1}{2}$				COAL	... 1	2				
<i>Low Main Seam</i> —								0	3	1			
COAL	Ft.	In.									6	1	2
Soft stone band	0	0 $\frac{1}{2}$					Strong dark thill iron-						
COAL	0	2 $\frac{1}{2}$					stone	... 1	1	0			
Soft stone band	0	7					Very strong grey post	0	2	6			
COAL	1	9 $\frac{1}{2}$					Dark grey metal, with						
	0	3	3 $\frac{1}{2}$				ironstone	... 0	4	9			
				0	3	5	COAL (March 19th,						
Thill stone and grey							1873)	0	0	9			
metal	0	3	2								2	3	0
COAL	0	0	8 $\frac{1}{2}$				Dark thill grey metal	0	2	0			
Thill stone	0	0	10				Strong dark grey metal	4	5	0			
Grey metal, with post							Black stone	0	2	6			
girdle	3	0	0				Blue metal	0	3	3			
Blue metal, with iron-							COAL (April 4th,						
stone girdle	0	0	10				1873) — <i>Hutton</i>						
COAL (Feb. 22nd,							<i>Seam</i>	0	4	4			
1873)	0	1	5 $\frac{1}{2}$								6	5	1
				4	1	0	Thill stone, with iron-						
Thill stone, with iron-							stone	0	3	0			
stone	0	3	8				Strong grey metal	0	5	0			
Dark grey post, with							Grey metal, mixed						
metal partings	4	1	9				with post	2	1	0			
Soft dark grey metal,											3	3	0
with ironstone	0	4	1				Strata				1	0	0
Carried forward	5	3	6	274	3	2 $\frac{1}{2}$	Total				294	3	5 $\frac{1}{2}$

## No. 1,823.—SIMONSIDE.

TOWNSHIP OF WESTOE, DURHAM.

Sheet 3 of Ordnance Map. Lat. , Long.

*Boring Account at Simonside.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay	1	5	0				Brought forward	2	5	0			
Marly limestone	1	0	0				Strong limestone, with						
							water	20	4	6			
											23	3	6
Carried forward	2	5	0				Carried forward				23	3	6

## No. 1,823.—SIMONSIDE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				23	3	6	Brought forward				39	2	5
Blue metal stone and girdles ...	1	5	0				Dark grey metal, scared with coal ...	0	1	4			
Blue metal ...	2	1	9										
Red metal ...	0	1	6				COAL, strong	3	0				
Whin mixture ...	0	0	11				COAL, rather coarse	0	9				
Red metal ...	3	4	11				COAL, will not cinder ..	0	11				
Black metal ...	0	0	11							0	4	8	
Grey metal ...	0	2	11										1
Red metal ...	0	1	10										0
Grey metal stone, with post girdles ...	1	4	4				Dark grey metal ...	1	0	4			
Brown metal ...	0	0	9				White post ...	0	5	2			
Grey post ...	0	3	1				Grey metal stone ...	1	4	0			
Blue metal ...	0	2	3				Black metal ...	0	0	9			
Red post ...	0	1	0				Grey metal ...	0	1	6			
Grey post ...	0	2	9				Grey metal stone, mixed with coal ...	0	0	8			
Blue metal ...	0	2	0				Grey metal stone ...	2	2	11			
Red metal ...	0	0	11				Grey whin ...	0	0	10			
Grey metal stone ...	2	2	2				Grey metal stone ...	2	2	11			
							COAL ...	0	1	8			
COAL ...	0	3									9	2	9
COAL, rather foul ...	1	8					Grey metal stone ...	1	2	6			
			0	1	11		COAL, slaty ...	0	1	3			
				15	4	11					1	3	9
Carried forward				39	2	5	Total ...				51	2	11

## No. 1,824.—SLEEKBURN.

TOWNSHIP OF EAST SLEEKBURN, NORTHUMBERLAND.

Sheet 73 of Ordnance Map. Lat. , Long.

Bored at East Sleekburn, near the South-east Corner of Mr. A. Mowbrey's Estate and adjoining the River Blyth, by Thos. Rawling. April 18th, 1798.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	2	0				Brought forward	1	3	3	3	1	3
Gravel, with water ...	0	3	0				Grey post ...	1	4	0			
Grey metal, with hard girdles ...	2	1	0				Grey metal stone ...	0	3	0			
Black metal ...	0	0	6				COAL ...	0	0	7			
COAL, foul ...	0	0	9								3	4	10
				3	1	3	Soft dark grey metal with scares of coal	0	1	4			
Grey metal, with hard girdles ...	0	4	9				Grey post, with metal partings ...	1	0	0			
Grey metal stone ...	0	4	6				Grey metal stone ...	0	4	0			
Carried forward	1	3	3	3	1	3	Carried forward	1	5	4	7	0	1



## No. 1,824.—SLEEK BURN.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	5	4	7	0	1	Brought forward	12	0	4	23	1	0
Whin ...	0	1	2				COAL ...						
Grey metal stone ...	2	3	0				Black grey metal ...	0	1	4			
Black metal ...	1	4	9				COAL, brassy ...	0	2				
COAL, foul...	0	1	3								0	1	7
				6	3	6					12	1	11
Grey metal stone, with whin or ironstone girdles ...	3	0	0				Grey metal ...	0	0	3			
Black grey metal, mixed with coal ...	0	0	7				Black metal, scared with coal ...	0	0	3			
Dark grey metal ...	0	1	3				Grey and black metal	0	4	0			
							Grey metal stone, with hard girdles ...	0	3	0			
COAL ...	0	9					White and grey post	1	0	0			
Grey metal stone, called band ...	0	3					Grey metal stone, with post girdles ...	1	1	0			
COAL, with small bands and water ...	1	11					Black metal ...	0	2	0			
COAL, foul...	0	5					Soft grey metal, with hard girdles ...	1	3	0			
				3	5	2	Grey metal stone, with hard girdles ...	0	2	10			
							Blue grey metal ...	0	1	0			
Grey metal ...	0	5	6				White post ...	8	3	0			
Black metal, mixed with coal ...	0	0	8				COAL—Yard Coal	0	2	6			
Grey metal ...	0	3	0								14	4	10
COAL, foul...	0	0	9				Grey metal, with scares of coal ...	0	0	3			
				1	3	11	Grey metal stone, with hard girdles near the top ...	4	2	0			
Grey metal, with scares of coal ...	1	0	0				Grey post, with coal pipes ...	0	3	0			
Soft black and grey metal, mixed with coal ...	1	0	0				Grey metal stone, with post girdles ...	6	1	0			
Grey metal stone, with coal pipes ...	1	0	0				Grey metal ...	0	1	0			
COAL ...	0	9					COAL, with brassy bands ...	1	8				
Grey metal, with scares of coal ...	0	11					Grey metal ...	0	9				
COAL, foul...	1	2					COAL ...	1	2				
				3	2	10					0	3	7
											11	4	10
Black grey metal, mixed with coal ...	0	2	1				Black and grey metal	0	2	0			
COAL, hard splinty	0	1	5				Grey and white post, with water ...	1	3	0			
				0	3	6	Black grey metal ...	0	0	6			
							COAL ...	0	2	3			
											2	1	9
Soft black and grey metal ...	0	1	6				Grey metal, with gir- dles or lumps ...	1	1	6			
Grey metal ...	1	0	0				Strong girdly stone ...	0	2	0			
Grey metal stone ...	8	4	0				Grey metal stone ...	3	3	0			
Grey metal stone, with post girdles ...	1	5	0				White post ...	3	0	0			
Grey post ...	0	1	0				Grey metal, with whin girdles ...	1	1	8			
Whin ...	0	0	4				Black stone, with scares of coal ...	0	1	10			
Grey metal stone ...	0	0	6				Grey metal ...	0	1	2			
Carried forward	12	0	4	23	1	0	Carried forward	9	5	2	64	2	4

## No. 1,824.—SLEEBURN.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	9	5	2	64	2	4	Brought forward	80	1	2			
Grey and white post...	0	3	0				Grey metal stone, with						
post girdles ...	0	5	0				post girdles ...	1	5	0			
<b>COAL</b> , with scares of							Blue grey metal ...	0	4	4			
black metal ...	0	0	6				<b>COAL</b> ...	Ft. In.					
Black metal, scared							<b>COAL</b> , but	1	10				
with coal ...	0	1	2				danty ...	0	1				
				11	2	10	<b>COAL</b> ...	2	8				
Dark grey metal ...	0	5	6						0	4	7		
Whin mixture ...	0	2	0								3	1	11
Grey metal stone, with							Black metal, with						
post girdles ...	2	5	2				scares of coal ...	0	1	6			
Dun whin ...	0	0	10				In grey metal stone...	0	1	6			
Black metal, with											0	3	0
scares of coal ...	0	0	6										
				4	2	0							
Carried forward				80	1	2	Total ...				84	0	1

## No. 1,825.—SLEEBURN.

TOWNSHIP OF WEST SLEEBURN, NORTHUMBERLAND.

Sheet 72 of Ordnance Map. Lat. , Long.

*Bored at West Sleeburn in the Pit Field.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil... ..	0	2	0				Brought forward	6	1	4	7	0	8
Brown clay ... ..	0	3	0				Black metal, with						
Leafy clay ... ..	1	2	0				scares of coal ...	0	1	0			
Stony clay ... ..	1	5	0				Grey scamy post ...	0	3	0			
Sand ... ..	0	1	0				Grey and blue metal						
Clay ... ..	1	4	0				stone, with girdles	3	2	6			
Grey metal stone and							Grey post and metal						
post girdles, with							partings ... ..	1	4	6			
water ... ..	1	0	0				White post, thready						
<b>COAL</b> ... ..	0	1	8				partings, and water	3	2	9			
				7	0	8	Black stone ... ..	1	1	3			
Black slaty metal and							<b>COAL</b> , foul... ..	0	1	0			
foul coal ... ..	0	0	6								16	5	4
Grey post, with metal							Grey metal ... ..	1	0	0			
partings and water	2	5	6				White and grey post	1	0	0			
Grey metal, with gir-							Whin ... ..	0	0	9			
dles ... ..	3	1	4				Grey post, with water	1	3	3			
Carried forward	6	1	4	7	0	8	Carried forward	3	4	0	24	0	0

## No. 1,825.—SLEEBURN.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	4	0	24	0	0	Brought forward	14	3	6	24	0	0
Grey scamy post, with partings ...	2	1	0				Blue grey metal ...	0	2	0			
White post, mixed with whin ...	0	1	2				Blue and black scamy metal ...	0	1	0			
Grey scamy post ...	0	3	8				<i>High Main Seam—</i>						
Grey metal stone ...	1	0	2				<b>COAL</b> ...	Ft.	In.				
White post, mixed with whin ...	0	2	6				Black slate, mixed with coal ...	1	0				
White and grey thready post, with partings and water	1	0	0				<b>COAL</b> ...	0	2				
Blue grey metal stone, with post girdles ...	1	2	6				Black slate, mixed with coal, or foul coal with slaty bands..	0	9				
White and grey post, with water ...	1	1	0				<b>COAL</b> ...	1	5				
Grey metal stone ...	0	3	6					1	10				
White post, mixed with whin ...	0	1	0					0	5	2			
Blue grey metal stone, with post girdles and water ...	2	1	0								15	5	8
							In grey metal ...				0	3	4
Carried forward	14	3	6	24	0	0	Total ...				40	3	0

## No. 1,826.—SLEEBURN.

TOWNSHIP OF WEST SLEEBURN, NORTHUMBERLAND.

Sheet 73 of Ordnance Map. Lat. 55° 9' 24", Long. 1° 33' 35".

*Strata sunk in the West Sleeburn Pit.*

Approximate surface level 50 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	23	5	0			
Clay ...	4	0	0				Light metal ...	0	1	6			
Clay, sand, and gravel	0	4	0				<b>COAL</b> ...	0	4	3			
Clay ...	3	0	0								24	4	9
Clay, sand, and gravel {	0	3	0				Fire clay ...	0	3	6			
	0	3	0			*	Grey post ...	4	0	0			
Strong clay ...	6	0	0				Soft metal, with iron-stone ...	4	2	6			
Leafy clay, with loam partings ...	0	1	0				Grey post ...	2	1	4			
Sand and gravel ...	1	4	0				Soft metal ...	0	2	0			
Sand ...	1	0	0				<b>COAL</b> ...	0	1	2			
Loam ...	1	1	0								11	4	6
Sand and gravel ...	0	2	0				Soft metal ...	2	3	0			
Sand, gravel, loam, and clay ...	4	4	0				Post girdle ...	0	1	6			
Carried forward	23	5	0				Carried forward	2	4	6	36	3	3

\* Approximate sea level (Ordnance datum).

## No. 1,826.—SLEEKBURN.—CONTINUED.

Brought forward	2	4	6	36	3	3		Brought forward	2	4	8	73	1	3		
Soft metal ...	0	1	5					Grey metal ...	0	3	0					
Post girdle ...	0	1	0					<b>COAL</b> ...	0	0	4					
Blue metal ...	2	4	6									3	2	0		
<b>COAL</b> ...	0	0	10					Black stone ...	0	2	8					
				6	0	3		Post, with metal part- ings	3	1	5					
Grey metal ...	1	0	8					White post ...	0	4	7					
Post, with water	0	2	6					Seamy post, or grey scared post	2	2	1					
Metal partings	0	0	3					<b>COAL—Yard Seam</b>	0	3	0					
Post, with metal partings ...	1	4	6									7	1	9		
Dark metal ...	0	3	0					Grey metal ...	1	0	6					
Grey post ...	0	4	1					White post, with whin and water ...	7	4	7					
Black metal, with mussel bed on top...	3	0	0					<b>COAL</b> ...	0	0	8					
<b>COAL</b> ...	0	1	0									8	5	9		
				7	4	0		Grey metal, with iron- stone girdles	1	3	0					
Thill stone ...	0	0	5					Blue metal ...	2	5	0					
Fire clay, with iron- stone balls...	1	1	0					<b>COAL</b> ...	0	0	4					
												4	2	4		
<i>High Main Seam—</i>								Thill stone ...	0	3	0					
	Ft.	In.						Grey metal ...	0	5	3					
<b>COAL</b> ...	1	0						<b>COAL</b> ...	0	1	9					
Band ...	0	6										1	4	0		
<b>COAL</b> ...	1	8						Grey metal ...	0	2	0					
Band ...	0	8						Grey post, with metal partings	0	5	3					
Black stone, scared with coal ...	1	7						White post ...	0	2	6					
<b>COAL</b> ...	1	0						Metal partings	0	0	9					
			1	0	5			White post ...	0	1	0					
						2	1	10	Grey metal ...	0	2	0				
Grey metal ...	9	4	0					Black stone ...	0	1	3					
								<b>COAL</b> ...	0	2	7					
<i>Grey Seam—</i>												2	5	4		
	Ft.	In.						Fire clay ...	0	4	0					
<b>COAL</b> ...	1	4						Grey metal, with iron- stone balls	1	0	0					
Band ...	0	4						Blue whin ...	0	1	2					
<b>COAL</b> ...	2	6						Grey post ...	0	5	0					
			0	4	2			Grey metal ...	0	3	5					
						10	2	2	Blue metal ...	1	3	0				
Blue stone or metal...	3	0	9					Black metal ...	0	3	0					
	Ft.	In.														
<b>COAL</b> ...	2	1						<b>COAL</b> ...	2	0						
Band ...	0	4						Grey metal ...	2	4						
<b>COAL</b> ...	1	11						<b>COAL</b> ...	1	2						
			0	4	4						0	5	6			
						3	5	1						6	1	1
Thill stone ...	0	2	0					Thill stone ...	0	0	10					
Grey metal ...	2	1	0					Fire clay ...	0	4	2					
White post ...	3	3	8					Blue metal ...	1	1	0					
<b>COAL</b> ...	0	2	0					Black metal ...	0	1	6					
								<b>COAL</b> ...	0	0	4					
Black stone ...	1	0	0									2	1	10		
Grey metal ...	0	2	0													
Strong post girdles ...	0	1	0													
Grey metal ...	1	0	0													
Post ...	0	1	8													
Carried forward	2	4	8	73	1	3		Carried forward				110	1	4		



## No. 1,826.—SLEEKBURN.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				110	1	4	Brought forward	2	3	0	113	2	2
Strong grey metal, with post girdles ...	1	3	8				<i>Low Main Seam—</i>						
Whin ...	0	0	10					Ft. In.					
Grey post ...	0	1	0				<b>COAL</b> ...	3	8				
Whin ...	0	0	10				Band ...	0	1½				
Grey metal ...	0	3	2				<b>COAL</b> ...	1	6				
Mussel bed ...	0	1	0						0	5	3½		
Blue metal ...	0	2	0								3	2	3½
<b>COAL</b> ...	0	0	4				Thill stone ...	0	1	0			
				3	0	10	Grey metal and strong post girdles ...	0	5	0			
Grey metal, with post girdles ...	2	0	0								1	0	0
Blue metal ...	0	1	4										
Dark metal ...	0	1	8										
Carried forward	2	3	0	113	2	2	Total ...				117	4	5½

## No. 1,827.—SLEETBURN.

TOWNSHIP OF BRANDON AND BYSHOTTLES, DURHAM.

Sheet 26 of Ordnance Map. Lat. , Long.

*Sinking and Boring of Sleetburn or New Brancepeth Colliery, near to Ushaw College.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	2	6				Brought forward	16	0	11	17	2	2
Gravel and sand ...	4	5	0					Ft. In.					
Strong blue clay ...	7	2	0				<b>COAL</b> ...	1	9				
				12	3	6	<b>COAL</b> , full of thin stone bands ...	0	5				
Grey post ...	2	4	0						0	2	2		
Strong white post ...	2	0	4								16	3	1
<b>COAL</b> ...	0	0	4				Seggar clay ...	0	0	9			
				4	4	8	Grey shale ...	0	1	11			
Seggar clay ...	0	3	6				Blue shale, with post girdles ...	1	0	8			
Grey shale, with strong post girdles ...	1	2	2				<b>COAL</b> and black stone ...	0	0	2			
Blue shale, with iron- stone bands ...	3	1	0								1	3	6
Blue shale ...	1	5	0				Grey shale ...	0	2	6			
Seggar clay ...	0	2	0				Brown whin, with white spar ...	0	1	0			
Strong white post, with water ...	3	3	4				Strong shale, with brown whin ...	1	1	4			
Strong grey post, with water ...	2	3	0				<b>COAL</b> ...	0	0	6			
Strong grey post, with water ...	1	3	3								1	5	4
Grey shale, with dark post girdles ...	1	1	5				Seggar clay ...	0	3	0			
Black stone ...	0	0	3				Grey shale, with white post girdles ...	1	3	0			
Carried forward	16	0	11	17	2	2	Carried forward	2	0	0	37	2	1

## No. 1,827.—SLEETBURN.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward	2	0	0	37	2	1		Brought forward	3	4	10	42	1	5
Blue shale post ...	0	2	6					Grey shale ...	0	2	11			
<b>COAL</b> , with thin								<b>COAL</b> — <i>Top Busty</i>						
stone bands ...	0	2	0					<i>Seam</i> ...	0	1	10			
				2	4	6						4	3	7
Seggar clay ...	0	1	8					Seggar clay ...	0	1	10			
Strong grey post, with								White post ...	2	4	8			
ironstone balls ...	1	4	11					<b>COAL</b> — <i>Bottom Busty</i>						
<b>COAL</b> ...	0	0	3					<i>Seam</i> ...	0	3	1			
				2	0	10						3	3	7
Dark shale ...	1	4	8					Total sunk ...				50	2	7
Grey post ...	0	3	8											
Strong shale ...	0	3	3					Bored below the <i>Busty</i>						
Grey shale, with white								<i>Seam</i> to the <i>Brock-</i>						
whin ...	0	3	3					<i>well</i> ...				17	0	0
Blue shale ...	0	2	0					Total ...				67	2	7
Carried forward	3	4	10	42	1	5								

## No. 1,828.—SOUTH HETTON.

TOWNSHIP OF HASWELL, DURHAM.

Sheet 21 of Ordnance Map. Lat. 54° 48' 2", Long. 1° 24' 25".

*An Account of Strata sunk through in the Engine Pit, South Hetton Colliery.  
Begun March 1st, 1831.*

Approximate surface level 420 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	46	3	0			
Brown gravelly clay,							Brown limestone ...	0	4	4			
mixed with sand							Blue limestone ...	0	0	6			
and water ...	1	1	0				Brown sandy lime-						
Blue gravelly clay,							stone ...	2	1	2			
mixed with sand							Brown limestone, with						
and water ...	3	1	0				metal clay partings	5	0	0			
Sand and water ...	0	3	0								54	3	0
Blue gravelly clay ...	2	4	0				Blue metal stone ...	0	2	0			
Limestone marl ...	16	5	0				Strong grey post ...	0	4	0			
Yellow limestone in a							Blue metal stone ...	0	3	0			
confused state, mixed							Sand, with water,						
with spar (got water							1,300 gallons per						
29½ fathoms from							minute ...	5	0	0			
the surface, which											6	3	0
increased from 20							Grey metal stone ...	0	3	0			
to 300 gallons per							Grey post ...	0	3	0			
minute) ...	18	3	0				Grey and red metal						
Yellow limestone in							stone ...	3	0	0			
various beds ...	3	3	0				<b>COAL</b> —¾ <i>Seam</i> ...	0	2	10			
											4	2	10
Carried forward	46	3	0				Carried forward				65	2	10



## No. 1,829.—SOUTH HETTON.

TOWNSHIP OF HASWELL, DURHAM.

Sheet 21 of Ordnance Map. Lat. , Long.

*An Account of Strata bored through below the Hutton Seam at South Hetton Colliery.  
Commenced August 15th, 1865.*

Approximate surface level feet above sea (Ordnance datum).

Depth to the <i>Hutton Seam</i>	Fs. Ft. In.				Fs. Ft. In.		
Freestone pillar at <i>Hutton Seam</i> , hanging-on ...	0	5	0	Brought forward	213	0	7
Blue metal stone ...	2	0	3	Grey metal, mixed with brown post ...	1	3	8½
Black stone ...	0	1	8	<b>COAL</b> ...	0	0	4
Black metal stone ...	0	1	10	Grey metal ...	0	1	7
White stone, mixed with blue metal ...	0	5	0	Blue metal ...	0	4	4
Grey metal, with post girdles ...	1	2	5	Grey post, rather strong ...	0	1	9
White post, mixed with blue metal ...	2	1	6	Black metal ...	0	5	4
Grey whin and blue metal, mixed with coal pipes ...	2	0	2½	Grey shivery post ...	2	0	0
Blue metal, mixed with post ...	0	1	0½	Very strong grey post, mixed with whin ...	2	0	10
Shivery post, mixed with coal pipes ...	0	3	8	Grey metal ...	0	0	4
Black metal, with iron-stone girdles ...	1	1	4½	Mild white post ...	0	2	4
Blue metal, mixed with iron girdles ...	1	0	3	Black stone, mixed with coal pipes ...	0	1	7
Blue metal, mixed with black slate ...	1	1	0	Grey metal stone ...	0	1	1
White post, mixed with blue metal ...	2	0	3	White post ...	0	0	4
White post ...	7	4	0	Black slaty stone ...	0	3	0
Blue metal, mixed with black stone ...	0	1	5	Whin, mixed with white spar ...	0	0	6
<b>COAL</b> ( <i>supposed Harvey Seam</i> ) ...	0	2	2	Blue metal stone ...	0	1	4
Blue stone, with clay	0	2	3	<b>COAL</b> , coarse ...	0	1	0
Grey post, mixed with metal girdles ...	5	3	0½				
Black stone, mixed with coal pipes ...	0	1	4	Grey metal stone ...	0	1	8
Grey metal, mixed with iron girdles ...	1	5	6	Ironstone ...	0	0	2
<i>Busty Seam</i> —				Blue metal ...	0	1	10
<b>COAL</b> ...	0	11½		Grey post, mixed with blue metal ...	0	4	6½
Stone band ...	0	2		Black stone, mixed with coal ...	0	1	0
<b>COAL</b> ...	2	3½		Blue metal ...	0	1	8
	0	3	5	Mild shivery post ...	2	1	6
				Strong white post, with whin girdles ...	8	1	3
				Black stone, mixed with coal ...	0	1	8½
				Shivery white post ...	0	2	11
				Blue metal, mixed with iron girdles ...	2	1	10
				Brown post, mixed with grey metal ...	1	3	0
				Blue metal, mixed with brown slaty post ...	2	4	10½
				<b>COAL</b> , like cannel ...	0	1	4
Carried forward	213	0	7	Carried forward	242	5	3



## No. 1,829.—SOUTH HETTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
				242	5	3					242	5	3
Brought forward							Brought forward	44	3	2 $\frac{3}{4}$	242	5	3
Grey shivery post, with blue metal ...	0	2	7				Strong grey post, with metal partings ...	0	3	7			
Grey post, with metal partings ...	1	0	2				Dark grey metal, with post girdles ...	1	4	3			
Grey post, mixed with ironstone and basalt	1	2	7				<b>COAL</b> , coarse ...	0	0	1			
Blue metal ...	2	0	2								46	5	1 $\frac{3}{4}$
Grey post, with blue metal ...	0	2	9				Light grey metal, with 3-inch girdle at the bottom ...	1	0	10			
Grey post, with grey metal and basalt ...	1	4	10				Light grey post ...	0	4	3			
Blue metal, mixed with grey post ...	0	2	6				Dark grey metal, with post girdles ...	0	3	10			
Very hard grey post	0	5	0				Light grey post, with thin grey post girdles ...	7	2	7			
Very soft blue metal (seggar clay) ...	1	3	5				Dark grey metal, with ironstone girdles ...	2	0	0			
Hard grey metal ...	0	0	9				Black stone ...	0	0	10			
Hard grey post ...	0	1	0				<b>COAL</b> , with black slaty partings ...	0	0	9			
Blue metal, mixed with post girdles ...	1	0	0								12	1	1
Hard grey post ...	0	1	0				Hard grey metal, with coal pipes ...	0	0	5			
Blue metal ...	1	0	6				Hard grey post, with metal partings ...	0	3	5			
Black slaty stone ...	0	1	1				Very hard bastard post	0	1	3			
Grey metal ...	6	2	6				Soft coarse white post, with thin metal partings and water	1	2	0			
Hard grey post ...	0	0	9				Strong metal, with post girdles ...	1	5	11			
Dark blue metal ...	3	1	4				Soft light metal, with 5-inch girdle on top, very hard ...	1	1	3			
Dark post, mixed with blue metal ...	2	0	4				Black metal, with a hard 6-inch girdle in middle ...	0	2	0			
White post ...	1	1	7				Strong light grey metal ...	0	1	10			
Brown sandstone, with white post ...	1	2	6				Hard white post, with metal partings, coarse at top and bottom ...	2	3	2			
White post, mixed with dark brown post	0	1	8				Dark grey metal ...	0	4	8			
White post, mixed with blue metal ...	5	0	10				Strong dark grey metal ...	2	5	9			
Blue metal ...	0	5	2				Soft light metal, with post girdles ...	1	0	0			
Very strong ironstone	0	0	6				Strong grey post, with metal partings ...	1	1	5			
Blue metal, mixed with ironstone ...	0	4	6				Very hard white post, with metal partings	0	5	9			
Grey post, mixed with grey metal ...	2	1	1				Dark grey metal, with thin post partings	1	4	5			
White post ...	7	5	4 $\frac{1}{4}$				Hard grey post, with metal partings ...	1	0	4			
Blue metal, with post girdles ...	1	4	0				Dark grey metal, with post girdles ...	3	0	10			
Black stone, mixed with coal ...	0	1	0										
Strong iron girdle, very hard ...	0	0	8										
Brown sandstone ...	1	3	10										
Blue metal, with post girdles ...	0	1	2										
Grey post, mixed with whin, very hard ...	0	0	6 $\frac{1}{2}$										
Very hard stone ...	0	0	4										
Strong white post ...	0	4	10										
Light grey metal ...	0	1	0										
Dark grey metal, with post girdles ...	1	1	5										
Carried forward	44	3	2 $\frac{3}{4}$	242	5	3	Carried forward	21	2	5	301	5	5 $\frac{3}{4}$

## No. 1,829.—SOUTH HETTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	21	2	5	301	5	5 $\frac{3}{4}$	Brought forward	21	4	9	301	5	5 $\frac{3}{4}$
Grey whin or bastard post, very hard ...	0	1	3				Hard white post, very coarse ...	0	5	3			
Dark grey metal ...	0	1	1								22	4	0
Carried forward	21	4	9	301	5	5 $\frac{3}{4}$	Total ...				324	3	5 $\frac{3}{4}$

## No. 1,830.—SOUTH MEDOMSLEY.

TOWNSHIP OF MEDOMSLEY, DURHAM.

Sheet 11 of Ordnance Map. Lat. , Long.

*An Account of a Boring in South Medomsley Royalty. October 7th, 1863.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...	11	3	6				Brought forward				23	0	4
Grey metal ...	2	0	4				Dark metal ...	0	2	10			
<b>COAL</b> ...	0	2	1				Grey metal ...	2	1	6			
				13	5	11	White post ...	4	2	9			
Grey metal ...	2	5	0				Black metal ...	0	0	3			
Grey post, with metal partings ...	4	2	0				<b>COAL</b> — <i>Brockwell</i>						
Grey metal ...	0	0	6				Seam ...	0	3	2			
<i>Busty Bank Seam</i> —											7	4	6
<b>COAL</b> ...	4	0*					Into grey metal stone				0	4	2
Grey metal... 3 9													
<b>COAL</b> ... 3 2													
	1	4	11										
				9	0	5							
Carried forward	23	0	4				Total ...				31	3	0

\* The band sets in about 22 inches from the top of this coal.

## No. 1,831.—SOUTH MEDOMSLEY.

TOWNSHIP OF COLLIERLEY, DURHAM.

Sheet 11 of Ordnance Map. Lat. 54° 52' 18", Long. 1° 46' 34".

*Strata sunk through in the Annie Pit, South Medomsley Colliery (13 feet diameter), 1864.*

Approximate surface level 810 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset ...	3	3	0				Brought forward	5	0	1			
Soil ...	0	0	9				Brown post ...	1	0	6			
Marl ...	1	2	4				Blue metal ...	1	5	5			
Carried forward	5	0	1				Carried forward	8	0	0			

## No. 1,831.—SOUTH MEDOMSLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	8	0	0				Brought forward	59	0	9			
Hard post, with whin and water ...	1	3	4				Seggar ...	0	2	0			
Grey metal ...	1	3	8				Post ...	1	4	0			
Hard post, with whin and water ...	1	3	2				Grey metal ...	1	4	0			
Blue metal, with iron girdles ...	2	1	0				<b>COAL</b> ...	0	0	5			
<i>Five-Quarter Seam</i> —											3	4	5
Ft. In.							Blue metal ...	1	0	0			
<b>COAL</b> , top,							Post ...	3	3	0			
foul ...	0	9					Blue metal, with post partings ...	5	5	0			
<b>COAL</b> , good	3	5					Post, with metal part- ings ...	2	0	0			
Splint ...	2	1					<b>COAL—Harvey Seam</b>	0	1	10			
<b>COAL</b> , coarse											12	3	10
foul ...	0	7					Seggar ...	0	4	0			
			1	0	10		Blue metal ...	3	2	0			
						16	0	0					
Blue metal ...	0	3	5				Post, with metal part- ings ...	5	1	0			
<b>COAL</b> , good— <i>Brass</i> <i>Thill Seam</i> ...	0	5	3				<b>COAL</b> ...	0	1	10			
				1	2	8					9	2	10
Strong post thill ...	0	3	6				Seggar and metal ...	1	5	0			
Grey metal and post girdles ...	2	3	0				<b>COAL—Top Busty</b> <i>Seam</i> ...	0	2	0			
Hard post, mixed with whin ...	0	3	0				Blue and grey metal	3	1	0			
Grey post, with much water ...	1	4	0				<i>Lower Busty Seam</i> —						
Grey metal and post girdles ...	7	3	0				Ft. In.						
Black metal ...	1	5	0				<b>COAL</b> , top	2	0				
White post ...	13	0	0				Fire clay ...	1	8				
<b>COAL—Hutton Seam</b>	1	0	6				<b>COAL</b> , bot- tom ...	3	2				
				28	4	0				1	0	10	
Soft seggar clay ...	2	0	0								6	2	10
<b>COAL</b> ...	0	1	10				Seggar, with iron balls	1	0	0			
				2	1	10	Grey metal, mixed with post ...	2	0	0			
Seggar ...	0	2	0				Hard post ...	3	3	0			
Blue metal ...	0	3	0				Grey metal ...	1	0	0			
Grey metal (bed for tubbing) ...	4	0	0				<i>Three-Quarter Seam</i> —						
<i>Main Coal Seam</i> —							Ft. In.						
<b>COAL</b> , top	3	2					<b>COAL</b> , good	1	8				
Band ...	0	3					Stone band...	0	8				
<b>COAL</b> , bot- tom ...	1	2					<b>COAL</b> , good	0	8				
			0	4	7					0	3	0	
						5	3	7					
<i>Sunk further in 1869</i> <i>to the Busty Seam</i> —											8	0	0
Seggar ...	2	3	0				Black metal ...	0	2	0			
Grey metal and post...	2	3	0				Blue metal ...	1	0	0			
<b>COAL</b> ...	0	0	8				Post ...	0	4	0			
				5	0	8	Grey metal ...	3	0	0			
							<i>Supposed Brockwell</i> <i>Seam</i> —						
							Ft. In.						
							<b>COAL</b> , good	2	0				
							Splint ...	0	4				
										0	2	4	
											5	2	4
Carried forward				59	0	9	Total ...				*104	5	0

\* Approximate sea level 181 feet below this.

## No. 1,832.—SOUTH MEDOMSLEY.

TOWNSHIP OF COLLIERLEY, DURHAM.

Sheet 11 of Ordnance Map. Lat.  $54^{\circ} 52' 38''$ , Long.  $1^{\circ} 46' 33''$ .*Strata sunk through at the Mary Pit, 700 yards North from Annie Pit, South Medomsley Colliery. 1867.*

Approximate surface level 580 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay...	...	1	4	0			Brought forward	8	0	0	35	4	1
Marl ...	...	1	0	0			Metal, with ironstone	1	1	0			
Soft stone ...	...	3	4	0			<b>COAL</b> ...	0	1	10			
Blue metal ...	...	2	5	0							9	2	10
Grey metal ...	...	4	1	0			Seggar and metal ...	1	0	0			
<i>Main Coal Seam—</i>							Post ...	4	2	0			
<b>COAL</b> , top	Ft. In.	3	2				<i>Busty Seam—</i>	Ft. In.					
Band ...	...	1	0				<b>COAL</b> ...	0	6				
<b>COAL</b> , bot-							Flagstone ...	0	3				
tom ...	...	1	0				<b>COAL</b> , top	3	1				
				0	5	2	Fire clay ...	2	0				
				14	1	2	<b>COAL</b> , bot-						
							tom ...	2	11				
Seggar ...	...	2	3	0						1	2	9	
Grey metal ...	...	2	3	0			Seggar, with iron balls	1	0	0			
<b>COAL</b> ...	...	0	0	8			Grey metal, with post						
				5	0	8	partings ...	2	0	0			
Seggar ...	...	0	2	0			Hard post ...	2	3	0			
Post ...	...	1	4	0			Grey metal ...	2	0	0			
Grey metal ...	...	1	4	0			Blue metal ...	1	3	0			
<b>COAL</b> ...	...	0	0	5			<i>Three-Quarter Seam—</i>						
				3	4	5	<b>COAL</b> ...	Ft. In.					
Blue metal ...	...	1	0	0			<b>COAL</b> , with	1	6				
Post ...	...	3	2	0			brass bands	0	6				
Blue metal, with post							<b>COAL</b> ...	0	10				
partings ...	...	6	0	0						0	2	10	
Post, with metal part-													9
ings ...	...	2	0	0									2
<b>COAL—Towneley or</b>													10
<i>Harvey Seam</i> ...	...	0	1	10			Black metal ...	...	0	1	8		
				12	3	10	Post ...	...	0	3	0		
Seggar ...	...	0	4	0			Strata ...	...	4	3	1		
Blue metal ...	...	3	2	0			<i>Brockwell Seam—</i>						
Post, with metal part-							<b>COAL</b> ...	Ft. In.					
ings ...	...	4	0	0			Splint ...	0	4				
										0	2	2	
Carried forward		8	0	0	35	4	1						5
													3
													11
							Total ...	...			*67	0	5

\* Approximate sea level  $179\frac{1}{2}$  feet below this.



## No. 1,833.—SOUTH MOOR.

TOWNSHIP OF HOLMSIDE, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 51' 10", Long. 1° 42' 10".

*Strata sunk through at New Acres, near Moor Edge, South Moor Colliery, upon  
Lanchester Common Royalty. December 10th, 1838.*

Approximate surface level 658 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	1	0				Brought forward	4	1	10	33	4	6½
Clay ... ..	4	5	0				Grey metal ... ..	0	4	10			
Sand ... ..	0	5	0				<b>COAL</b> — <i>Brass Thill</i>						
Blue gravelly clay ...	4	0	7				<i>or Main Coal Seam</i>	1	0	5			
Blue metal ... ..	1	2	6								6	1	1
White post ... ..	7	4	5				Grey thill ... ..	0	2	11			
<i>Shield Row Seam—</i>							Grey post ... ..	0	4	0			
<b>COAL</b> ... ..							Blue stone ... ..	1	1	5			
Band ... ..	0	3					Grey metal ... ..	2	1	8			
<b>COAL</b> ... ..	4	10					White post ... ..	0	3	4			
				1	1	1	Grey metal ... ..	0	0	4			
							White post ... ..	0	3	3			
Grey thill ... ..	0	4	0	20	1	7	Grey metal ... ..	0	1	6			
Blue metal ... ..	1	0	0				White post ... ..	0	1	3			
Black stone ... ..	0	0	7				Grey metal ... ..	0	1	2			
<b>COAL</b> ... ..	0	0	2				White post ... ..	2	0	2			
				1	4	9	<b>COAL</b> ... ..	0	0	6			
Grey metal stone ...	2	2	2								8	3	6
White post, mixed							Black stone ... ..	0	3	0			
with whin and water	0	5	0				<b>COAL</b> ... ..	0	0	6			
Blue metal, with cat-											0	3	6
heads ... ..	2	0	4				Grey metal ... ..	0	5	3			
Black stone, mixed							Post girdles ... ..	0	0	3			
with coal ... ..	0	1	0				Grey metal ... ..	3	2	6			
Grey thill stone ...	0	5	5				White post, with water	8	2	11			
Blue metal, mixed							<b>COAL</b> ( <i>supposed</i>						
with catheads ...	1	0	0				<i>Maudlin Seam</i> ) ...	0	2	2			
White post, mixed											13	1	1
with whin ... ..	1	0	9				Grey metal ... ..	3	5	3			
Blue and grey metal,							<b>COAL</b> ( <i>supposed Low</i>						
with hard girdles...	1	5	8				<i>Main Seam</i> ) ... ..	0	3	0			
Dark blue metal, with											4	2	3
catheads ... ..	0	2	4				Black stone ... ..	0	2	3			
Jet ... ..	0	0	2				<b>COAL</b> ... ..	0	0	7			
<i>Five-Quarter Seam—</i>											0	2	10
<b>COAL</b> ... ..	2	10					Grey metal ... ..	2	0	2			
Splint ... ..	2	6½					White post ... ..	0	4	0			
				0	5	4½	Grey metal ... ..	0	2	9			
							White post ... ..	1	2	11			
Grey thill stone ...	0	3	0	11	4	2½	Grey metal ... ..	0	1	3			
Grey metal, mixed							White post ... ..	1	0	5			
with post ... ..	3	4	8				<b>COAL</b> ( <i>supposed</i>						
Black stone ... ..	0	0	2				<i>Hutton Seam</i> ) ...	0	2	6			
											6	2	0
Carried forward	4	1	10	33	4	6½	For sump ... ..				3	2	6
							Total ... ..				76	5	3½

## No. 1,834.—SOUTH MOOR.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
To <i>Hutton Seam</i> ...				76	5	3½	Brought forward				106	1	8½
<i>Bored, February</i>							Metal ...	{	3	2	3½		*
<i>23rd, 1857 :—</i>								{	3	0	8½		
Bored by the sinkers	3	1	0				<b>COAL</b> ...		0	1	0		
White post ...		2	0	0							6	4	0
Metal ...		2	2	0			Grey metal girdles ...		6	0	0		
White post ...		5	3	0			<b>COAL</b> ...		0	1	6		
Whin ...		0	1	3							6	1	6
Grey post ...		5	5	9			Grey metal ...		0	1	8		
Grey metal ...		6	4	0			White post ...		1	4	6		
Dark metal ...		1	1	0			Grey metal ...		1	0	6		
<b>COAL</b> ...	Ft.	In.					Post ...		0	5	0		
Metal ...	0	3					Metal ...		0	2	0		
<b>COAL</b> ...	0	3					<b>COAL</b> ( <i>supposed</i>						
Metal ...	0	9					<i>Busty Bank Seam</i> )		0	3	2		
<b>COAL</b> ...	0	3									4	4	10
		0	2	7			Dark metal ...		0	0	9		
				27	2	7	Metal stone ...		0	5	0		
Grey metal ...		1	1	0							0	5	9
White post ...		0	3	0									
<b>COAL</b> ...		0	1	10									
				1	5	10							
Carried forward				106	1	8½	Total ...				124	5	9½

\* Approximate sea level (Ordnance datum).

## No. 1,835.—SOUTH MOOR.

TOWNSHIP OF LANGLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 51' 2", Long. 1° 42' 49".

*An Account of the Boring in South Moor Staple, about half a mile West of the Pit.*

Approximate surface level 698 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk about ...				28	0	0	Brought forward	6	2	6	29	0	6
Grey metal ...		0	4	0			Grey metal ...		1	3	6		
<b>COAL</b> ...		0	2	6			White post ...		0	5	0		
				1	0	6	Grey metal ...		2	4	0		
Grey metal ...		6	1	0			Hard post girdle		0	2	0		
Black metal, mixed							<b>COAL</b> ...		0	1	0		
with coal ...		0	1	6							12	0	0
Carried forward		6	2	6	29	0	6	Carried forward			41	0	6

## No. 1,835.—SOUTH MOOR.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				41	0	6		Brought forward			0	2	11
Grey metal ...	2	0	0					<i>Supposed Low Seam—</i>					
Grey and white post...	8	0	0										
COAL ...	0	1	9					COAL ...	2	11			
				10	1	9		Grey metal					
Grey metal ...	3	3	0					stone ...	1	6			
Post ...	3	2	0					COAL ...	1	5			
Metal girdles ...	1	0	6								0	5	10
Metal ...	0	4	0					Grey metal ...	1	0	0		
								Grey post ...	2	0	0		
COAL ...	0	3						Grey metal ...	0	4	9		
COAL, foul... 2 1								COAL ...	0	2	5		
				0	2	4						4	1
								Grey metal ...	1	3	0		
				8	5	10		Into white post (left	0	5	0		
Grey metal ...	0	2	11					off May 14th, 1859)					
												2	2
Carried forward	0	2	11	60	2	1		Total ...			*68	2	0

\* Approximate sea level 300 feet below this.

## No. 1,836.—SOUTH MOOR.

TOWNSHIP OF LANGLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

Account of Boring in South Moor Royalty, yards West from Farm House.  
December 23rd, 1866.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...	4	1	9				Brought forward	13	1	3	21	3	11
Grey post ...	0	1	0				Grey post ...	0	3	0			
Grey metal ...	1	0	3				Metal, with post gir-						
Grey post ...	0	2	0				dles ...	3	3	3			
Grey metal ...	0	5	0				Dark metal girdles ...	0	4	6			
Grey post ...	0	5	6				<i>Five-Quarter Seam—</i>						
Black metal ...	0	4	3										
Grey and dark metal	7	4	7				<b>COAL</b> ...						
Post ...	3	5	2				splint ...	2	3				
Metal stone ...	0	2	0							0	5	4	
<i>Shield Row Seam—</i>											18	5	4
<b>COAL</b> ...							<b>COAL — Main Coal</b>						
Metal ...	0	1					<i>Seam</i> ...	0	5	3			
<b>COAL</b> ...	3	1									0	5	3
Metal ...	0	6					Grey metal ...	0	1	6			
<b>COAL</b> ...	2	3					White post ...	2	2	3			
				1	2	5	Grey metal ...	3	5	3			
							Post ...	0	3	0			
Grey metal ...	8	0	3				Dark stone ...	0	1	0			
Strong white post ...	1	3	0				Into white post.						
Grey metal stone and											7	1	0
post girdles ...	3	4	0										
Carried forward	13	1	3	21	3	11	Total ...				48	3	6

## No. 1,837.—SOUTH MOOR.

TOWNSHIP OF LANGLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 50' 3", Long. 1° 42' 41".

*An Account of Strata bored through on Langley Moor Farm, about  $\frac{3}{4}$  mile South-west of the Pit, and close to Mr. Gee's Fence. Commenced December 3rd, 1866; bored through Hutton Seam Sept. 2nd, 1867. By George Stott and Son, of Ferryhill.*

Approximate surface level 799 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Clay, &c.	...	...	4	1	9	
Grey post	...	...	0	1	0	
Grey metal	...	...	1	0	3	
Grey post	...	...	0	2	0	
Grey metal	...	...	0	4	0	
Grey post	...	...	0	5	6	
Black metal	...	...	0	4	3	
Grey and dark metal	...	...	7	4	7	
Grey post	...	...	3	5	2	
Metal stone	...	...	0	2	0	
<i>Shield Row Seam—</i>						
COAL	...	Ft. In.				
Metal band	...	0 1				
COAL	...	3 1				
Metal band	...	0 4				
COAL	...	2 3				
			1	2	3	
						21 2 9
Grey metal stone	...	8 0 3				
White post	...	1 3 0				
Grey metal stone and girdles	...	3 4 0				
Grey post	...	0 3 0				
Metal and metal stone, with girdles	...	3 3 3				
Dark metal, with girdles	...	0 4 6				
<i>Five-Quarter Seam—</i>						
COAL	...	Ft. In.				
Splint	...	3 1				
		2 3				
			0	5	4	
						18 5 4
<i>COAL — Main Coal or Brass Thill Seam</i>						
			0	5	3	
						0 5 3
Grey metal	...	0 1 6				
White post	...	2 2 3				
Grey metal	...	3 5 3				
Carried forward			6	3	0 41	1 4

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	6	3	0 41	1	4	
Grey post	...	...	0	3	0	
Dark stone	...	...	0	1	0	
Grey post, with metal partings	...	...	2	0	0	
Grey metal and metal stone	...	...	4	3	4	
Strong grey or white post	...	...	10	5	0	
<i>Maudlin Seam—</i>						
COAL	...	Ft. In.				
Black metal, scared with coal	...	1 8				
COAL	...	3 0				
COAL	...	0 8				
						0 5 4
						25 2 8
Grey metal, with girdles	...	...	3	1	2	
Dark metal	...	...	0	3	3	
<i>COAL — Low Main Seam</i>						
	...	...	0	2	8	
						4 1 1
Grey metal and metal stone, with post girdles	...	...	2	2	4	
Post girdle	...	...	0	1	6	
Grey metal	...	...	0	2	10	
Grey post	...	...	3	0	8	
Metal stone	...	...	1	1	5	
<i>Hutton Seam—</i>						
COAL, good	...	Ft. In.				
COAL, coarse and slaty	...	3 7				
		0 5				
						0 4 0
						8 0 9
In grey metal or seggar clay	...	...				0 0 6
Total	...	...	*79	0	4	

\* Approximate sea level 325 feet below this.



## No. 1,838.—SOUTH PONTOP.

TOWNSHIP OF COLLIERLEY, DURHAM.

Sheet 11 of Ordnance Map. Lat. , Long.

*Strata sunk through at the Lizzie Pit, South Pontop Colliery, Lanchester Common.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...	2	0	2				Brought forward	6	4	5	9	1	7
White post ...	6	1	5				Strong grey post ...	1	1	3			
<i>Shield Row Seam—</i>							Blue metal and iron						
							girdles ...	2	0	2			
COAL, good	3	0					Grey post, mixed with						
COAL, brassy	3	0					white ...	9	2	0			
	1	0	0				Soft blue metal ...	0	0	9			
				9	1	7	COAL—5¼ Seam ...	0	5	6			
Soft blue metal and											20	2	1
iron girdles ...	2	4	9				Stone ...	0	0	10½			
Strong blue metal and							COAL—Brass Thill						
iron girdles ...	0	5	7				Seam ...	0	5	8			
Blue metal ...	2	1	0								1	0	6½
Grey post ...	0	5	1										
Carried forward	6	4	5	9	1	7	Total ...				30	4	2½

## No. 1,839.—SOPPIT.

TOWNSHIP OF ELSDON, NORTHUMBERLAND.

Sheet 52 of Ordnance Map. Lat. , Long.

*Section of the Strata in the most Western Pit at Soppit Colliery, near Elsdon. 1846.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...	10	0	0				Brought forward				14	3	9
Limestone ...	0	2	0				Grey shale ...	0	4	3			
Grey shale ...	2	0	0				Soft coarse freestone	2	4	0			
Hard freestone ...	1	3	0				Strong grey shale ...	0	4	0			
Grey shale ...	0	4	6				White freestone plate	0	4	0			
COAL ...	0	0	3				White coloured shale	1	0	11			
				14	3	9	COAL ...	0	3	10			
											6	3	0
Carried forward				14	3	9	Total ...				21	0	9

## No. 1,840.—SOUTH SHIELDS.

TOWNSHIP OF WESTOE, DURHAM.

Sheet 4 of Ordnance Map. Lat. , Long.

*Bored at South Shields in the Quarry Close. 1759.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and sand ...	0	3	0				Brought forward	2	2	0	20	0	4
Brown ramble stone ..	0	5	0				Grey and white post, with whin lumps and water ...	2	0	8			
				1	2	0	Brown and white post	10	4	0			
Brown and grey post, with water ...	8	3	0				Brown and grey post	2	2	0			
Blue metal ...	1	4	9				White and grey post, with coal pipes and stones ...	7	3	0			
<b>COAL</b> , with scare bands ...	0	2	4				Grey metal stone, with grey post girdles ...	1	4	6			
				10	4	1	Blue metal, with stony lumps ...	0	3	6			
Grey thill ...	0	1	5				Black metal ...	0	2	0			
Grey metal, with water	1	4	6								27	3	8
Grey metal stone ...	3	0	0				In grey stone ...				1	1	0
White post, with water	2	1	0										
Grey metal ...	0	4	0										
<b>COAL</b> ...	0	1	4										
				8	0	3							
Grey thill ...	0	1	0										
Grey metal stone ...	2	1	0										
Carried forward	2	2	0	20	0	4	Total ...				48	5	0

## No. 1,841.—SOUTH SHIELDS.

TOWNSHIP OF WESTOE, DURHAM.

Sheet 4 of Ordnance Map. Lat. , Long.

*Third Hole bored near Westoe, in the Quarry Field, near the South-east Corner of the Ginn Close. April 1st, 1779.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Old borehole...				49	0	0	Brought forward	1	4	3	49	0	0
Greenish grey metal stone ...	0	2	6				Grey metal ...	0	1	0			
Strong white post, with water ...	0	1	0				Black metal, with scares of coal ...	0	0	4			
Black grey metal ...	0	1	0				Black metal ...	0	1	0			
Grey metal ...	0	4	9				Red seamy metal stone ...	1	1	0			
Grey post ...	0	1	0				Whin ...	0	1	0			
Carried forward	1	4	3	49	0	0	Carried forward	3	2	7	49	0	0

## No. 1,841.—SOUTH SHIELDS.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	2	7	49	0	0	Brought forward	15	2	6	49	0	0
Strong grey post ...	0	1	8				Strong white post ...	0	2	0			
Red scamy stone ...	0	1	0				Grey metal stone ...	1	0	0			
Whin mixture ...	0	1	0				Blue metal ...	0	5	0			
Whin ...	0	1	2				Black metal ...	0	1	0			
Strong grey and brown post, mixed with water ...	0	2	0				<b>COAL</b> ...	Ft. In. 0 8					
Red scamy stone ...	0	1	1				Black grey metal, with scares of coal ...	0 4					
Strong white post, mixed with whin girdles and red scamy partings ...	7	2	6				<b>COAL</b> ...	0 11					
Red post ...	1	0	0						0 1 11		18	0	5
Whin ...	0	1	0				Grey metal ...	0	1	0			
Grey metal ...	0	0	6				Grey metal stone ...	0	2	0			
Black metal ...	0	0	8				Grey post, with water	0	3	0			
Black metal, scared with coal ...	0	0	4				Strong white post ...	1	0	6			
Greenish blue metal, with hard girdles...	1	5	0				Grey post ...	0	3	6			
							In blue metal stone...	0	3	0			
Carried forward	15	2	6	49	0	0	Total ...				70	1	5

## No. 1,842.—SOUTH SHIELDS.

## TOWNSHIP OF WESTOE, DURHAM.

Sheet 4 of Ordnance Map. Lat. , Long.

*Bored at South Shields in the South Dean. 1759.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and brown clay...				3	3	6	Brought forward	3	0	11	8	0	7
White post, with me- tal partings and water ...	0	4	0				Black stone, mixed with coal ...	0	0	6			
Grey and white post	1	4	0				Grey metal, with coal pipes ...	0	1	6			
Grey metal ...	1	5	0				Grey metal ...	2	3	9			
Black stone ...	0	0	10				<b>COAL</b> ...	0	1	0			
<b>COAL</b> ...	0	1	3								6	1	8
				4	3	1	Grey thill ...	0	0	6			
Grey thill ...	0	0	7				Grey metal stone ...	0	3	3			
Grey metal stone, with post girdles ...	1	4	10				Grey metal, with hard lumps ...	1	3	0			
Grey and white post, with water ...	1	1	0				<b>COAL</b> ...	0	0	8			
Grey metal ...	0	0	6				Grey metal, mixed with coal ...	0	1	1			
Carried forward	3	0	11	8	0	7					2	2	6
							Carried forward				16	4	9

## No. 1,842.—SOUTH SHIELDS.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				16	4	9	Brought forward	0	4	6	18	5	8
Grey thill ...	0	2	9				White and grey post, with water ...	1	1	10			
Brown and white post, with metal post and water ...	1	2	0				Grey metal stone ...	5	3	0			
Grey metal ...	0	1	10				<b>COAL</b> ...	1	4				
<b>COAL</b> ...	0	0	4				Band ...	0	2				
				2	0	11	<b>COAL</b> ...	0	9				
Grey thill ...	0	1	0					0	2	3			
Grey metal stone ...	0	1	9				In grey thill...				7	5	7
Strong white post ...	0	1	9								7	0	0
Carried forward	0	4	6	18	5	8	Total ...				33	5	3

## No. 1,843.—SOUTH SHIELDS.

## TOWNSHIP OF WESTOE, DURHAM.

Sheet 4 of Ordnance Map. Lat. , Long.

*Bored near South Shields. First Hole. March 16th, 1778.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	6				Brought forward				18	1	0
Leafy clay ...	2	0	9				Grey metal ...	1	0	4			
Strong clay ...	0	3	0				Black metal ...	0	1	10			
				2	5	3	Grey metal ...	0	0	10			
Grey metal ...	0	3	6				Strong white post ...	0	2	0			
Black metal ...	0	3	0				Grey metal and metal stone, with water...	2	2	6			
Grey girdle ...	0	0	6				Blue metal ...	0	5	10			
Black stone ...	0	1	0				<b>COAL</b> , with danty bands ...	0	2	2			
Grey metal, with post girdles and water...	3	0	3					5	3	6			
Black metal, mixed with coal ...	0	1	6				Grey metal stone ...	0	0	6			
Soft grey metal ...	0	1	6				White post, with water ...	0	3	0			
Red metal ...	0	1	6				Blue grey metal stone, with post girdles...	5	1	0			
Reddish brown post, with cashy partings and water, and set- tled the top feeder	5	2	0				Blue and black metal, mixed with coal at the bottom ...	0	3	6			
Strong white post ...	1	0	4				Grey metal ...	0	2	3			
Strong reddish and brown post, with cashy partings and water ...	3	2	2				Strong white post ...	1	3	0			
Red scamy metal ...	0	2	0				Grey metal ...	0	3	0			
<b>COAL</b> , foul...	0	0	6				Greenish grey metal stone, with post gir- dles and water ...	1	0	0			
				15	1	9	Strong white post ...	1	1	9			
Carried forward				18	1	0	Carried forward	11	0	0	23	4	6



## No. 1843.—SOUTH SHIELDS.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	11	0	0	23	4	6	Brought forward	5	0	2	41	3	0
Grey metal stone, with post girdles and water ...	1	3	6				Brown post, with red partings ...	1	2	10			
COAL, with scares of brass ..	0	1	0				Strong white post, mixed with whin ...	0	3	6			
				12	4	6	Brown scamy post, with metal partings	0	2	6			
Black and grey metal, with scares of coal	0	2	3				Strong blue scamy metal, with water...	1	3	6			
Grey metal ...	0	3	0				Soft black metal, with water ...	0	1	6			
White post, with water	0	3	0				COAL, with danty scames ...	0	2	0			
Grey metal stone ...	0	3	9								9	4	0
COAL, foul, with water ...	0	1	2				Grey metal ...	0	1	6			
Blue metal, with scares of coal ...	0	0	9				Grey scamy post, with water ...	1	0	0			
Grey metal stone ...	2	1	11				Grey metal stone, with hard lumps and water ...	1	5	0			
Grey metal ...	0	1	0				Black metal, with scares of coal ...	0	0	6			
COAL ...	0	1	2	5	0	0	Grey metal ...	0	1	6			
							Greenish grey metal stone ...	1	4	6			
Grey metal ...	0	0	4				Whin ...	0	1	8			
Reddish brown post...	0	3	0				Strong white post ...	4	3	0			
Whin ...	0	1	2				Whin ...	0	3	2			
Grey metal stone, with red partings ...	0	5	0				Strong white post ...	5	2	8			
Whin ...	0	1	0				Whin ...	0	1	0			
Reddish brown post, with water ...	0	1	0				Blue grey metal stone	0	3	0			
Whin ...	0	2	0				Strong white post ...	0	1	1			
Strong white post, mixed with whin ...	1	1	6				Whin ...	0	1	2			
Whin ...	0	0	11				In whin mixture ...	0	2	3			
Strong white post, mixed with whin ...	1	1	6								17	2	0
Whin ...	0	0	9										
Carried forward	5	0	2	41	3	0	Total ...				68	3	0

## No. 1,844.—SOUTH SHIELDS.

TOWNSHIP OF WESTOE, DURHAM.

Sheet 4 of Ordnance Map. Lat. , Long.

Bored near Westoe, about 100 yards to the South from the Bent House. Second Hole.  
Begun June, 1779; finished 1780.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	31	4	0				Brought forward	31	4	0			
Sunk and bored formerly ...	28	4	6				White and grey post, with metal partings	0	5	0			
Greenish metal stone and post girdles, set away the water ...	2	5	6				Grey metal stone ...	5	4	0			
							COAL ...	0	1	2			
											38	2	2
Carried forward	31	4	0				Carried forward				38	2	2

## No. 1844.—SOUTH SHIELDS.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				38	2	2	Brought forward	14	1	7	55	0	9
Grey metal ...	0	1	6				Blue metal ...	2	1	0			
Reddish grey metal, with post girdles							<b>COAL</b> ...	0	1	0			
and water ...	1	0	6								16	3	7
Whin ...	0	0	8				Grey metal ...	0	0	6			
Red stone ...	0	1	9				White and grey post	1	0	0			
Whin mixture ...	0	1	6				Whin ...	0	1	1			
Strong white post ...	3	1	0				Grey metal stone and whin girdles ...	2	3	3			
Red and grey scamy post ...	5	3	4				<b>COAL</b> ...	0	2	4			
Blue metal stone ...	0	2	3								4	1	2
<i>Supposed 70-Fathoms</i>							Grey metal stone ...	1	0	3			
<i>Coal—</i>													
<b>COAL</b> , hard	Ft.	In.					<b>COAL</b> , foul in	Ft.	In.				
coarse ...	0	9					places ...	1	3				
Grey and blue metal ...	1	3					Brassy band ...	0	4				
<b>COAL</b> , hard							<b>COAL</b> ...	0	3				
coarse ...	1	6								0	1	10	
			0	3	6						1	2	1
				11	4	0	Grey metal ...	0	2	9			
Grey metal ...	0	1	0				Strong grey metal and hard girdles ...	2	2	10			
Grey metal stone ...	0	1	0				Whin ...	0	1	0			
Grey scamy post ...	0	2	6				Strong grey metal stone ...	0	1	6			
Grey metal stone, with post girdles and me- tal partings ...	4	2	0				Whin mixture ...	0	1	6			
<b>COAL</b> ...	0	0	1				Strong grey metal stone and hard gir- dles ...	7	2	0			
				5	0	7	Blue grey metal ...	2	2	0			
Grey metal stone ...	1	4	9				Whin ...	0	0	7			
Whin (11 days' work)	0	0	9				Strong white post ...	0	3	0			
White post ...	5	3	0				Grey metal stone, with partings ...	1	5	5			
Grey metal stone ...	0	2	6				Whin ...	0	0	4			
Black metal ...	0	0	8				Grey metal stone ...	0	1	8			
<b>COAL</b> , foul ...	0	0	4				White post ...	0	0	6			
Blue grey metal stone	1	1	6				Whin ...	0	1	6			
Whin mixture ...	0	1	1				Grey metal stone and whin girdles ...	1	2	0			
Blue metal ...	0	3	7				Dark grey metal and coal pipes ...	0	2	0			
Black metal and scares of coal ...	0	0	3				Grey metal ...	0	5	0			
Strong white post, with whin ...	1	3	0				Grey metal stone, mixed with whin ...	2	1	0			
Whin ...	0	1	9				Grey metal stone, with girdles and metal partings ...	1	3	0			
White post ...	0	2	0				White post, with whin	0	1	0			
Blue grey metal, with girdles ...	1	0	9				Grey metal ...	0	1	0			
Black slaty stone ...	0	1	0				Whin girdles and me- tal partings ...	2	3	9			
<b>COAL</b> ...	0	0	4				Left off in whin ...	0	0	8			
Whin girdle ...	0	0	2								25	4	0
Grey metal ...	0	1	4										
Whin, with small part- ings near top ...	0	2	10										
Carried forward	14	1	7	55	0	9	Total ...				102	5	7

## No. 1,845.—SOUTH SHIELDS.

TOWNSHIP OF WESTOE, DURHAM.

Sheet 4 of Ordnance Map. Lat. \_\_\_\_\_, Long. \_\_\_\_\_

*Account of Boring at South Shields. May 2nd, 1814.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward				8	0	6
Brown leafy clay, with scars of sand ...	1	2	0				Brown post and part- ings ...	0	5	0			
Stony clay, with scars of sand ...	5	2	6				<b>COAL</b> , foul... ..	0	1	0			
Leafy clay, with scars of sand ..	1	0	0				Grey metal ...	0	0	2	1	0	0
Gravel, with water ...	0	1	0				Whin ...	0	1	0			
				8	0	6					0	1	2
Carried forward				8	0	6	Total ...				9	1	8

## No. 1,846.—SOUTH SHIELDS.

TOWNSHIP OF WESTOE, DURHAM.

Sheet 4 of Ordnance Map. Lat. \_\_\_\_\_, Long. \_\_\_\_\_

*Account of Boring at South Shields, in Brick Yard North of King Street.  
April 20th, 1815.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil, clay, gravel, and loam rubbish, with a siping of water ...	1	0	0				Brought forward	6	0	6			
Strong clay ...	0	3	0				Sand, with a siping of of water ...	0	0	9			
Sand ...	0	0	9				Strong clay, with scars of sand ...	2	2	9			
Clay ...	0	3	3				Sand, with water ...	0	5	6			
Sand, with a siping of water ...	0	2	0				Stony clay ...	0	3	0			
Leafy clay, with scars of sand ...	0	1	0				Sand, with water ...	5	5	6			
Strong clay ...	1	0	0				Leafy clay, with scars of sand ...	1	0	6			
Gravel ...	0	1	6				Sand ...	0	0	6			
Strong stony clay ..	2	1	0				In gravel ...	0	2	7	17	3	7
Carried forward	6	0	6				Total ...				17	3	7

## No. 1,847.—SOUTH TANFIELD.

TOWNSHIP OF KYO, DURHAM.

Sheet 12 of Ordnance Map. Lat.  $54^{\circ} 52' 10''$ , Long.  $1^{\circ} 43' 15''$ .

*An Account of Strata sunk through at South Tanfield Colliery, in Kyo Estate, from the surface to Brass Thill (or Main Coal) Seam. Sunk to Five-Quarter Seam, 1837; to Brass Thill Seam, September, 1839.*

Approximate surface level 790 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Soil ... ..	0	1	0				Brought forward				28	1	10	
Blue gravelly clay and sand ... ..	8	1	8				Thill stone ... ..	0	3	6				
Grey post ... ..	2	1	0				Post and grey metal stone ... ..	10	5	8				
Blue metal stone ... ..	1	1	5				Grey post ... ..	3	0	0				
<b>COAL</b> and black stone ... ..	0	4	6				<i>Five-Quarter Seam—</i>							
				12	3	7	Jet ... ..		Ft. In.					
Grey thill stone ... ..	0	2	0					0	1					
Grey metal stone ... ..	0	5	0				<b>COAL</b> , good ... ..	3	1					
White post, with water	0	1	10				Splint ... ..	0	2					
Grey post, with water	0	1	3				<b>COAL</b> , good ... ..	1	6					
Blue metal stone, with ironstone ... ..	3	0	0							0	4	10		
<b>COAL</b> ... ..	0	0	6								15	2	0	
				4	4	7	Thill stone ... ..	1	0	0				
Strong thill stone ... ..	0	4	3				Blue metal stone, with post girdles and water ... ..	0	5	0				
Blue metal stone ... ..	2	4	1				Post, with water ... ..	1	0	0				
Post ( <i>Shield Row Post</i> ) with much water, which has all taken off ... ..	6	2	0				Grey metal stone, with post girdles ... ..	2	2	0				
<i>Shield Row Seam—</i>							<b>COAL—Brass Thill Seam</b> ... ..	0	5	3				
												6	0	3
<b>COAL</b> , top (coarse) ... ..	1	2												
<b>COAL</b> , good ... ..	4	4												
Swad or coarse slaty <i>coal</i> ... ..	0	6												
<b>COAL</b> , ground (very hard) ... ..	1	4												
				1	1	4								
				10	5	8								
Carried forward	28	1	10				Total ... ..				*49	4	1	

\* Approximate sea level 492 feet below this.



No. 1,848.—SOUTH TANFIELD.

TOWNSHIP OF KYO, DURHAM.

Sheet 12 of Ordnance Map. Lat.  $54^{\circ} 52' 10''$ , Long.  $1^{\circ} 43' 15''$ .

*Account of the Strata sunk through in the C Pit, South Tanfield Colliery. Commenced sinking, April 11th, 1870; finished, July 22nd, 1871.*

Approximate surface level 790 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Strong clay ...	2	4	0				Brought forward	10	2	0	49	2	4	
Strong clay and loam	1	0	0				Blue stone ...	1	4	2				
Clay, mixed with							<b>COAL</b> ...	0	0	4				
stones ...	1	0	0								12	0	6	
Clay, mixed with sand	4	0	7				Blue stone and post ...	0	2	6				
Post stone ...	2	1	0				Post ...	3	2	0				
Blue metal ...	0	4	8				Grey post, with blue							
Post girdle ...	0	0	8				metal partings ...	1	4	3				
Black thill stone	1	0	5				Post and blue partings	0	3	9				
<b>COAL</b> ...	0	0	3				Post ...	1	2	0				
				12	5	7	Post, with partings ...	0	3	0				
Seggar clay ...	0	1	6				Post ...	0	3	6				
Blue metal ...	1	1	0				Post, mixed with whin	0	3	0				
Post girdle ...	0	2	4				Post ...	0	4	10				
Blue metal ...	0	4	10				Post, mixed with whin	1	2	6				
Soft blue metal	1	3	6				Post ...	0	2	6				
<b>COAL</b> ...	0	0	6				Post, with parting ...	0	2	0				
				4	1	8	Post ...	0	4	8				
Seggar, mixed with							Post, mixed with whin	0	3	1				
blue metal...	0	4	6				Post ...	0	3	11				
Blue metal ...	1	2	7				Blue metal ...	1	3	8				
Post ...	5	3	8											
<b>COAL—Shield Row</b>							<i>Low Main Seam of the</i>							
Seam ...	0	5	7				<i>Beamish District ;</i>							
				8	4	4	<i>Hutton Seam of the</i>							
Thill stone ...	0	2	9				<i>Pontop District—</i>							
Blue metal ...	1	5	9											
Blue metal, with 2 feet							<b>COAL</b> , good	Ft.	In.					
of whin girdle ...	3	3	2				Band ...	1	0					
Blue metal ...	1	4	1				<b>COAL</b> , jet...	0	6					
<b>COAL</b> ...	0	0	3				<b>COAL</b> , good	1	9					
				7	4	0	Band ...	0	6					
Blue metal ...	3	4	0				<b>COAL</b> , good	3	6					
Blue metal, with post							Band ...	0	2					
girdles ...	0	4	6				<b>COAL</b> , good	1	4					
Blue metal ...	0	2	0							1	5	10		
Post stone ...	4	1	0										17	
<b>COAL—Five-Quarter</b>							Seggar ...	0	1	7				
Seam ...	0	5	3				Post, mixed with blue							
				9	4	9	metal ...	0	2	4				
Thill stone ...	0	5	0				Blue metal ...	0	1	3				
Blue metal ...	1	4	0				Blue metal, mixed with							
Grey metal ...	1	3	0				ironstone balls ...	0	3	0				
Blue metal ...	1	0	11				Blue metal, mixed with							
<b>COAL—Brass Thill</b>							post ...	1	5	4				
Seam ...	0	5	1				<b>COAL—Main Coal</b>							
				6	0	0	or Hutton Seam ...	0	3	0				
Thill stone and seggar	0	2	0								3	4	6	
Post ...	1	0	0				Seggar ...	0	3	0				
Blue stone ...	0	3	0				Blue metal ...	0	2	0				
Blue metal ...	3	3	0				Blue metal, mixed							
Blue stone and post ...	1	3	0				with ironstone balls	2	2	5				
Post ...	3	3	0				Blue metal ...	0	4	7				
											4	0	0	
Carried forward	10	2	0	49	2	4	Total ...				*86	4	4	

\* Approximate sea level 270 feet below this.

## No. 1,849.—SPENNYMOOR.

TOWNSHIP OF WHITWORTH, DURHAM.

Sheet 34 of Ordnance Map. Lat. , Long.

*Account of Boring at Spennymoor No. 1 Hole.*

Approximate surface level feet above sea (Ordnance datum).

			Fs.	Ft.	In.	Fs.	Ft.	In.				Fs.	Ft.	In.	Fs.	Ft.	In.
Clay	...	...	2	2	4				Brought forward	10	3	4					
Metal	...	...	0	3	7				Metal	...	...	1	0	6			
Post	...	...	1	0	6										11	3	10
Metal	...	...	0	4	3				<b>COAL</b>	...	...	0	2	3			
Post	...	...	2	1	2				Metal, mixed with coal	...	...	0	0	4			
Metal, mixed with coal	...	...	0	2	0										0	2	7
Metal	...	...	2	4	6				Grey metal.								
Post	...	...	0	3	0												
Carried forward			10	3	4				Total	...	...				12	0	5

## No. 1,850.—SPENNYMOOR.

TOWNSHIP OF WHITWORTH, DURHAM.

Sheet 34 of Ordnance Map. Lat. , Long.

*Boring near Mr. Adamson's Public House. 1858.*

Approximate surface level feet above sea (Ordnance datum).

								Fs.	Ft.	In.	Fs.	Ft.	In.
Clay	...	...	...	...	...	...	...	2	5	0			
Metal	...	...	...	...	...	...	...	2	0	0			
Post, with water	...	...	...	...	...	...	...	2	3	0			
Metal	...	...	...	...	...	...	...	0	2	0			
<b>COAL</b>	...	...	...	...	...	...	...	0	1	0			
Into metal	...	...	...	...	...	...	...	0	3	6			
											8	2	6
Total	...	...	...	...	...	...	...				8	2	6

Water stands at 6 fathoms 2 feet from the top; it was sunk to and found to be a strong feeder.

## No. 1,851.—SPRINGWELL.

TOWNSHIP OF USWORTH, DURHAM.

Sheet 7 of Ordnance Map. Lat. 54° 55' 25", Long. 1° 33' 17".

Approximate surface level 455 feet above sea (Ordnance datum).

*Section of Strata sunk through in the New Winning, A and B Pits, at Springwell.  
Begun May 8th, 1821; finished February 24th, 1824.*

	Fs.	Ft.	In.	Fs.	Ft.	In.	
Soil ... ..	0	1	0				
Clay ... ..	1	3	7				
Strong brown post ...	11	0	8				
Brown and white post	8	2	0				
Blue metal ... ..	1	4	6				
<b>COAL</b> ... ..	0	1	6	23	1	3	
Thill ... ..	0	4	0				
Scamy gully post ...	3	1	8				
Strong grey metal ...	1	0	0				
Blue metal ... ..	1	4	5				
Black metal ... ..	0	1	4				
<b>COAL</b> ... ..	0	0	6	6	5	11	
Thill ... ..	0	1	3				
Thill ... ..	0	2	4				
Strong grey metal and post girdles ... ..	0	4	6				
Blue metal stone ...	0	5	8				
Black metal, with post girdles ... ..	0	4	1				
<b>COAL</b> ... ..	0	0	10	3	0	8	
Thill ... ..	0	3	1				
Strong grey metal ...	0	4	4				
Post, mixed with grey metal and whin ...	0	2	9				
Blue metal ... ..	1	2	0				
Black calm ... ..	0	3	6				
Post girdle ... ..	0	1	4				
Black metal and iron- stone girdles ... ..	0	1	7				
<b>COAL</b> ... ..	0	0	5	4	1	0	
Black slate ... ..	0	3	0				
Thill ... ..	0	2	1				
Grey metal and post girdles ... ..	0	3	8				
<b>COAL</b> ... ..	Ft. In.						
<b>COAL</b> , coarse, and slate ... ..	1	8					
	---	0	2	9	1	5	6
Thill ... ..	0	1	5				
White thill ... ..	0	2	6				
Carried forward	0	3	11	39	2	4	

	Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward	0	3	11	39	2	4	
Blue metal ... ..	5	3	10				
<b>COAL</b> and band ...	0	0	8	6	2	5	
Thill ... ..	0	1	3				
Grey metal and thin girdles ... ..	0	2	4				
Scamy post ... ..	0	1	4				
Blue metal ... ..	1	1	4				
Black metal ... ..	0	0	3				
<b>COAL</b> ... ..	0	0	6	2	1	0	
Thill ... ..	0	2	2				
Thin post and girdles	0	3	4				
Scamy post and whin	0	3	1				
White post ... ..	0	5	0				
Black metal ... ..	2	3	2				
<b>COAL</b> ... ..	0	0	5	4	5	2	
Thill ... ..	0	1	10				
Grey metal ... ..	1	1	6				
Post, called <i>Main Post</i>	8	2	8				
Whin ... ..	0	5	4				
Post ... ..	1	0	0				
Blue metal ... ..	0	3	7				
Black metal ... ..	0	0	9				
<i>High Main Seam—</i>							
<b>COAL</b> , top	Ft. In.						
Black slate...	0	11					
Thill ... ..	1	4					
Post girdles and blue met- tal ... ..	7	4					
Brown metal	1	5					
<b>COAL</b> , bot- tom ... ..	2	1					
	---	2	3	2	15	0	10
Black slate ... ..	0	3	11				
Blue metal ... ..	0	4	1				
Black metal ... ..	0	1	5				
Strong blue metal ...	1	1	8				
Post girdles ... ..	2	0	4				
Black stone and <i>coarse</i> <i>coal</i> ... ..	0	0	4				
Blue metal ... ..	1	3	11				
Carried forward	6	3	8	67	5	9	

## No. 1,851.—SPRINGWELL.—CONTINUED.

Brought forward		Fs.	Ft.	In.	Fs.	Ft.	In.
Black metal ...	...	6	3	8	67	5	9
<i>Metal Coal Seam—</i>		0	0	3			
Ft. In.							
COAL ...	0 6						
Band ...	0 6						
COAL ...	0 3						
Band ...	0 5						
COAL ...	2 0						
		0	3	8			
					7	1	7
Thill ...	...	0	1	9			
Strong blue metal and ironstone girdles ...	{ 0 1 11						
	1 2 3						*
Post girdle ...	0 2 10						
Blue metal and ironstone girdles ...	0 2 8						
Black metal ...	0 1 6						
COAL ...	0 0 10				3	1	9
Thill ...	0 3 3						
Grey metal and post girdles ...	1 1 2						
Post, mixed with whin ...	1 2 8						
Strong grey metal ...	0 2 9						
COAL ...	0 0 10				3	4	8
Thill ...	0 1 4						
Blue metal ...	0 5 5						
Black stone ...	0 0 4						
Thill ...	0 0 9						
Post girdles, mixed with blue metal ...	0 4 11						
Whin ...	0 5 0						
Scamy post ...	0 4 1						
Scamy post girdles, mixed with blue metal ...	1 2 6						
Blue stone, with ironstone girdles ...	1 2 6						
Black metal ...	0 0 6						
<i>Yard Coal Seam—</i>							
Ft. In.							
COAL ...	1 8						
Thill ...	2 8						
Scamy post ...	3 6						
Grey metal and post girdles ...	16 4						
Blue metal ...	2 6						
COAL, coarse, or band ...	0 7						
COAL ...	1 0						
Band ...	0 4						
COAL, bottom ...	2 7						
		5	1	2			
					11	4	6
Carried forward		94	0	3			
Brought forward		Fs.	Ft.	In.	Fs.	Ft.	In.
Thill ...	...	0	5	1			
Black metal ...	...	0	2	7			
Blue metal ...	...	0	1	4			
Post ...	...	1	4	7			
Black metal ...	...	2	1	3			
Post, mixed with blue metal ...	...	0	2	3			
Post ...	...	0	4	0			
Grey metal ...	...	0	2	5			
Whin ...	...	0	0	10			
Grey metal, with post girdles ...	...	2	3	5			
Blue metal ...	...	0	1	4			
Black metal ...	...	0	0	6			
<i>Bensham or Maudlin Seam—</i>							
Ft. In.							
COAL, top ...	2 5						
Band and splint ...	0 7						
COAL ...	1 5						
Band ...	0 2						
COAL, bottom ...	0 6						
		0	5	1			
					10	4	8
Thill ...	...	0	2	1			
Scamy post girdles ...	...	1	1	5			
Blue metal ...	...	0	5	10			
COAL ...	...	0	1	2			
					2	4	6
Thill ...	...	0	3	2			
Scamy post girdles ...	...	1	3	0			
Black metal ...	...	0	1	7			
COAL ...	...	0	0	9			
					2	2	6
Scamy post girdles ...	...	0	5	6			
Grey metal ...	...	1	4	8			
COAL—6/4 Seam ...	...	0	1	11			
					3	0	1
Thill ...	...	0	2	1			
Scamy post girdles ...	...	1	0	1			
Blue metal ...	...	1	1	8			
<i>Five-Quarter or Low Main Seam—</i>							
Ft. In.							
COAL ...	1 7						
Splint ...	0 4						
COAL ...	1 1						
		0	3	0			
					3	0	10
Thill ...	...	0	2	9			
Grey metal and girdles ...	...	2	4	5			
COAL ...	...	0	0	4			
					3	1	6
Black metal ...	...	0	0	7			
Scamy post girdles, mixed with whin ...	...	1	3	4			
Carried forward		1	3	11	119	2	4

\* Approximate sea level (Ordnance datum).



## No. 1,851.—SPRINGWELL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	3	11	119	2	4	Brought forward	5	4	4	119	2	4
Whin, mixed with post	0	3	1				<i>Hutton or Low Main</i>						
Grey metal and post							<i>Seam</i>						
girdles ... ..	1	1	4				COAL, fine	4	0				
Post, mixed with whin	0	3	6				COAL, coarse	0	11				
Grey metal and girdles	1	2	3							0	4	11	
Blue metal stone ...	0	1	11										6 3 3
Black metal stone ..	0	0	4										
Carried forward	5	4	4	119	2	4	Total ... ..				125	5	7

## No. 1,852.—SPROUSTON.

## TOWNSHIP OF

Sheet of Ordnance Map. Lat. , Long.

*Boriny in the East Part of Sprouston Quarry.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Bad freestone ...	0	2	0				Brought forward	11	2	0			
Dent ...	0	4	0				Hard stone ...	0	4	0			
Whin ...	0	1	0				Blue freestone ...	1	2	0			
Blue dent ...	1	3	0				Hard whin ...	0	3	0			
Hard limestone ...	0	1	0				Black dent ...	0	5	0			
Strong brown clay ...	0	4	0				Whin and dent alter-						
Blue dent ...	1	3	0				nating the strata,						
Very hard whin ...	0	1	6				about 3 or 4 inches						
Brown dent ...	1	0	0				thick ...	2	0	0			
Hard whin ...	0	3	0				Hard freestone ...	2	1	0			
Freestone ...	0	2	0				Stone, extraordinarily						
Clay, mixed with dark							hard ...	1	3	0			
blue dent ...	0	4	0				Left off in very hard						
Blue dent ...	0	5	6				brown stone, and,						
Blue freestone ...	0	4	0				from its weight,						
Strong blue dent,							supposed to contain						
mixed with iron ore	1	0	0				ironstone ...	0	4	0			
Strong black dent ...	1	0	0								21	0	0
Carried forward	11	2	0				Total ... ..				21	0	0

## No. 1,853.—STANHOPEBURN.

TOWNSHIP OF

Sheet of Ordnance Map. Lat. , Long.

*Section and Names of the Posts of the Great Limestone at Lane Head Quarry, Stanhopeburn.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Top or stud post ...	0	1	4				Brought forward	0	5	6	3	5	3
Black bed, bituminous shale ...	0	0	5				Five thin posts, 6 in., 12 in., 15 in., 16 in., and 17 in. ...						
Thick crotley post ...	0	1	0				Bad lifting post ...	1	0	0			
Black bed, bituminous shale ...	0	1	0				Thin post ...	0	0	6			
Bad breaking post ...	0	3	5				Shining Eley ...	0	3	0			
Four black and grey beds, bituminous shale ...	0	2	9				Cockle shell post ...	0	1	2			
Hard post ...	0	2	4				Two thin posts, 10 in. and 13 in. ...	0	1	11			
Black bed, bituminous shale ...	0	2	6				Blackbed post ...	0	2	5			
Coarse post ...	0	2	6				Four thin posts, 10 in., 10 in., 11 in., and 16 in. ...	0	3	11			
Black bed, bituminous shale ...	0	1	2				Dun Kit post ...	0	3	7			
				3	0	5	Dun Kits bastard post ...	0	3	0			
Half-yard post ...	0	1	6				Threethin posts, 12 in., 15 in., and 13 in. ...	0	3	4			
Thin crotley post ...	0	0	6				Dun Jin, with a thin post in the middle	0	4	6			
Threethin posts, 11 in., 10 in., and 9 in. ...	0	2	6				Stiff Dick post, with one bed ...	0	4	8			
Black bed ...	0	0	4				Whaley post, with two beds ...	0	4	9			
				0	4	10	Yard post ...	0	2	11			
Three thin posts ...	0	1	6				Jack or Newcastle post ...	0	1	10			
Coarse post ...	0	1	6				Bottom post ...	0	1	8			
Toby Gills post ...	0	2	6								10	0	2
Carried forward	0	5	6	3	5	3	Total ...				13	5	5

## No. 1,854.—STANLEY.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 25 of Ordnance Map. Lat. , Long.

*Boring for Water at Stanley. May 5th, 1843.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brown post ...		7	0	0			Brought forward	9	5	3			
Grey metal ..		2	5	3			Brown post (day water here) ...	0	0	9			
Carried forward	9	5	3				Carried forward	10	0	0			

## No. 1,854.—STANLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	10	0	0				Brought forward				15	0	10
Grey metal ...	1	0	0				Grey metal stone, with						
				11	0	0	hard girdles ...	3	2	2			
Sunk the well and							Brown post ...	0	3	0			
found no water ...				11	0	0	In grey metal ...	3	0	0			
Bored further:—											6	5	2
Grey metal stone, with							(No water.						
post girdles ...	3	5	4										
COAL ...	0	1	6										
				4	0	10							
Carried forward				15	0	10	Total ...				22	0	0

## No. 1,855.—STANLEY.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 26 of Ordnance Map. Lat. , Long.

*An Account of the Boring in Stanley Royalty on the right hand side of the Road leading to the Farm House, about yards from the Cottage on the East boundary. December 1st, 1853.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Stony clay ...	4	1	0				Brought forward	2	1	7	10	2	11
Brown metal...	3	1	0				Grey metal ...	1	1	9			
White post ...	0	2	8				COAL, foul...	0	1	6			
Dark grey metal	0	1	6								3	4	10
COAL ...	0	2	7				Grey metal ...	0	3	6			
				8	2	9	Grey post ...	1	0	3			
Grey metal ...	0	1	3				White post, mixed						
COAL ...	0	0	10				with whin...	0	5	0			
				0	2	1	White post ...	1	0	0			
Grey metal ...	0	5	5				Grey metal ...	0	3	3			
Dark metal ...	0	4	0				COAL ...	*0	3	5			
COAL ...	0	0	8								4	3	5
				1	4	1	Into grey metal ...				3	3	9
Grey metal ...	0	3	0										
Grey post and metal													
partings ...	1	4	7										
Carried forward	2	1	7	10	2	11	Total ...				22	2	11

\* An error, by reason of the man in charge of the hole making a mistake in the getting of the coal, which is seen in next account.

## No. 1,856.—STANLEY.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 26 of Ordnance Map. Lat. , Long.

*Account of the Second Hole in the Stanley Estate, by the Burn side, about 250 yards North-west from the First. January 30th, 1854.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and ramble ...	0	5	6				Brought forward	0	1	10	11	1	0
Grey metal ...	0	2	0				Bored further, Aug.						
COAL ...	0	2	7				7th:—						
				1	4	1	Grey metal stone, with						
							post girdles ...	6	2	0			
Metal ...	0	0	10				COAL ...	0	1	4			
COAL ...	0	0	10								6	5	2
				0	1	8	Black metal ...	0	0	6			
							Grey metal stone ...	1	0	0			
Grey metal stone ...	5	3	3				White and grey post	0	4	0			
COAL ...	0	1	6				Grey metal stone, with						
				5	4	9	post girdles ...	2	0	0			
Grey metal ...	0	1	0				COAL ...	0	0	4			
Grey post, with metal											3	4	10
partings ...	2	5	0				Black stone ...	0	2	5			
COAL ...	0	2	6				Grey metal stone and						
				3	2	6	post girdles ...	3	0	0			
Brown metal stone ...	0	1	10				White and grey post	1	5	0			
							Grey metal ...	0	0	6			
							COAL, good..	3	6				
							Splint ...	0	2				
										0	3	8	
											5	5	7
							Grey metal ...				0	0	3
Carried forward	0	1	10	11	1	0	Total ...				27	4	10

## No. 1,857.—STANLEY.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 26 of Ordnance Map. Lat. , Long.

*Account of Boring the Third Hole in Stanley Estate, opposite the Farm House in the Allotment Land. April 24th, 1854.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brown stony clay ...	1	3	0				Brought forward				3	5	8
Grey metal stone, with							Grey metal stone, with						
post girdles ...	2	0	6				girdles ...	6	5	0			
COAL ...	0	2	2				COAL ...	0	0	3			
				3	5	8					6	5	3
Carried forward				3	5	8	Carried forward				10	4	11



## No. 1,857.—STANLEY.—CONTINUED.

Brought forward		Fs.	Ft.	In.	Fs.	Ft.	In.
		10	4	11			
Grey metal, with girdles	...	2	1	1			
<b>COAL</b>	...	2	10				
Dark metal	...	0	6				
<b>COAL</b>	...	0	8				
		0		4	0		
		2		5	1		
Dark grey metal, with girdles	...	3	4	10			
<b>COAL</b>	...	0	1	9			
		4		0	7		
Grey metal	...	1	0	0			
White post, mixed with whin	...	0	5	0			
White post	...	1	3	0			
Grey metal stone	...	0	3	5			
<b>COAL</b>	...	0	2	6			
		4		1	11		
Carried forward		22	0	6			

Brought forward		Fs.	Ft.	In.	Fs.	Ft.	In.
		22	0	6			
Grey metal	...	0	5	6			
Iron stone	...	0	0	7			
White post (set away the water)	...	0	3	5			
Grey metal stone	...	4	1	5			
<b>COAL</b>	...	0	1	3			
		6		0	2		
Grey metal stone	...	2	1	0			
<b>COAL, foul</b>	...	0	0	4			
		2		1	4		
Grey metal stone, with post girdles	...	2	0	6			
Black stone	...	0	1	8			
<b>COAL</b>	...	0	0	3			
		2		2	5		
Dark metal stone	...	1	4	7			
White and grey post	...	4	1	0			
Grey metal	...	0	1	0			
<b>COAL, good</b>	...	0	3	8			
Grey metal	...	0	0	5			
		6		4	8		
Total		39	3	1			

No. 1,858.—STANLEY.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 26 of Ordnance Map. Lat. , Long.

*Account of Strata bored through at Stanley, in the Long Hole.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Blue clay ... ..	10	4	0			
Grey metal ... ..	1	1	0			
Black stone and coal	0	2	0			
Grey metal, with post girdles ... ..	0	3	0			
Grey post ... ..	0	4	9			
Grey metal ... ..	0	4	0			
Black stone and coal	0	2	10			
Grey metal ... ..	0	1	6			
Grey post ... ..	1	3	4			
Brown post ... ..	0	5	6			
Grey metal stone	1	2	3			
White post, with water	2	2	4			
<b>COAL</b> ... ..	0	0	3			
				21	0	9
Grey metal, with coal pipes ... ..	0	5	3			
Carried forward	0	5	3	21	0	9

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	0	5	3	21	0	9
Grey post ... ..	0	1	8			
Black stone ... ..	0	0	6			
Grey post, with water	0	5	6			
Grey metal stone	1	1	6			
<i>Busty Seam</i> — Ft. In.						
<b>COAL</b> ... ..	2	8				
Band ... ..	2	2				
<b>COAL</b> ... ..	0	4				
				0	5	2
						4 1 7
Dark grey metal, with post girdles ...	2	2	0			
White post, set away water ... ..	1	0	2			
White post ... ..	1	1	2			
Grey post ... ..	1	3	0			
Carried forward	6	0	4	25	2	4

## No. 1,858.—STANLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward	6	0	4	25	2	4		Brought forward	2	1	4	51	4	8
Dark grey metal ...	0	2	10					Whin ...	0	1	0			
<b>COAL</b> , hard and								Grey post and water...	0	5	3			
middling — <i>Brock-</i>								Whin ...	0	0	4			
<i>well Seam</i> ...	0	4	1	7	1	3		Grey post ...	0	1	8			
								White post, with water	1	0	8			
Dark grey metal ...	1	0	0					Grey post ...	0	3	6			
White post and water	0	3	5					Dark grey metal and						
Grey metal stone ...	0	2	4					post girdles ...	1	5	7			
White post and water	1	1	9					<b>COAL</b> ...	0	0	4	7	1	8
Grey post ...	1	0	1											
White post and water	0	5	8					Grey post and water..	1	0	9			
Grey metal stone ...	0	4	6					Dark grey metal ...	0	1	8			
White post ...	0	2	3					White post ...	0	3	10			
Grey post, with water	0	5	6					Grey post ...	0	3	5			
Grey metal, with post								Dark grey metal and						
girdles ...	1	5	5					post girdles ...	3	1	6			
Black stone ...	0	0	11					White post ...	0	1	2			
Grey metal ...	0	2	0					Whin ...	0	0	2			
<b>COAL</b> ...	0	0	4	9	4	2		Grey post ...	0	5	2			
								Grey metal ...	1	3	6			
Grey metal ...	0	2	8					Dark grey metal stone	0	3	0			
Grey post, with water	0	4	9					Grey metal ...	1	3	6			
Whin ...	0	0	4					Black stone ...	0	0	4			
Dark grey metal, with								Grey post, with metal						
water ...	2	3	3					partings ...	0	5	9			
Black stone, mixed								Strong dark grey metal	0	4	0			
with coal ...	0	0	7					Grey post, with metal						
Grey metal ...	1	1	4					partings ...	0	4	9			
Grey post ...	0	0	10					Dark grey metal ...	0	3	0			
Grey metal thill ...	0	5	9					Strong post girdles ...	0	0	10			
Grey post, with water	0	3	6					Black stone, mixed						
White post, with water	2	2	3					with coal ...	0	0	2			
<b>COAL</b> ...	0	1	8	9	2	11		Strong grey metal ...	0	2	9			
								Grey post ...	0	4	4			
Grey post ...	1	1	0					Strong dark grey me-						
White post, with metal								tal ...	0	1	9	15	1	4
partings and water	1	0	4											
								Total ...				74	1	8
Carried forward	2	1	4	51	4	8								

## No. 1,859.—STANLEY.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 26 of Ordnance Map. Lat: 54° 44' 43", Long. 1° 44' 3".

*Strata passed through in sinking the Josephine Pit, Stanley Colliery, a quarter of a mile West of Woolley Farm House. August, 1857.*

Approximate surface level 735 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Yellow clay ...	0	5	0				Brought forward	4	0	0			
Blue clay ...	3	1	0				Dark brown metal ..	2	0	0			
							Post girdle ...	0	2	0			
Carried forward	4	0	0				Carried forward	6	2	0			

## No. 1,859.—STANLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	6	2	0				Brought forward	3	4	7	16	4	7
Black metal ...	0	1	0				Grey metal ...	0	3	6			
<b>COAL</b> ...	0	0	3				<b>COAL—Busty Seam</b>	0	4	0			
				6	3	3					5	0	1
Blue metal, with post							Dark grey metal ...	0	4	0			
girdles ...	3	2	0				White post ...	1	2	4			
							Blue metal ...	1	1	7			
<b>COAL</b> ...	0	3					<b>COAL</b> ...	0	1	4			
Thill ...	0	4					Blue metal ...	1	5	3			
<b>COAL</b> ...	0	5					<b>COAL</b> ...	0	0	4			
				0	1	0	Grey thill ...	0	4	0			
							Grey metal ...	0	4	10			
				3	3	0	Whin girdle ...	0	1	2			
Blue metal ...	0	3	0				White post ...	0	1	7			
Post girdles and metal	0	4	4				Grey post ...	3	0	3			
<i>Fard Seam—</i>							White post (1,500 gal-						
<b>COAL</b> ...	1	0					lons of water per						
Band ...	0	1					hour)	2	4	3			
<b>COAL</b> ...	1	10					Dark grey post ...	1	0	2			
Band ...	0	9					Black metal ...	0	0	8			
<b>COAL</b> ...	0	8											
				0	4	4	<i>Brockwell Seam—</i>						
							<b>COAL</b> ...	3	1				
Dark metal ...	0	5	1				Splint ...	0	5				
<b>COAL</b> (300 gallons	0	0	6							0	3	6	
of water per hour)				0	5	7					14	5	3
Thill stone ...	0	3	0				<i>Sump:—</i>						
Grey metal, with post							Grey thill ...	0	2	1			
girdles ...	3	0	3				White post ...	0	1	0			
<b>COAL—Ballarat</b>							Grey metal ...	0	5	7			
<i>Seam</i> ...	0	1	10				Grey metal and post..	1	0	6			
				3	5	1	Blue metal ...	0	2	0			
Grey metal ...	1	2	3				White post ...	0	3	6			
White and grey post							Whin girdle ...	0	2	0			
(crib laid for wal-											3	4	8
ling) ...	2	2	4										
Carried forward	3	4	7	16	4	7	Total ...				*40	2	7

\* Approximate sea level 492½ feet below this.

## No. 1,860.—STANLEY.

TOWNSHIP OF STANLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 52' 17", Long. 1° 40' 5".

*Account of Strata sunk through in the 7th Pit, East Stanley Colliery, from the Surface to the Hutton Seam. Began July 8th, 1863.*

Approximate surface level 670 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay and shivery brown							Brought forward				2	2	6
slate ...	2	1	4				Tender shivery post...	4	3	0			
<b>COAL</b> , coarse, with							<b>COAL</b> , very						
bands ...	0	1	2				coarse ...	1	0				
				2	2	6	Tender blue stone	0	4				
							<b>COAL</b> , coarse	1	0				
										0	2	4	
											4	5	4
Carried forward				2	2	6	Carried forward				7	1	10

## No. 1,860.—STANLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				7	1	10
Thill stone ...	0	3	0			
Tender blue stone, with iron balls ...	2	0	0			
Grey metal stone, with post girdles ...	5	0	0			
Blue metal stone ...	2	2	0			
<b>COAL</b> , very coarse...	0	2	6			
				10	1	6
Grey metal stone ...	2	0	0			
Very tender blue metal	1	3	0			
Grey metal ...	0	3	0			
Blue metal ...	1	1	0			
<b>COAL</b> ...	0	1	0			
				5	2	0
Thill stone ...	0	3	0			
Very strong grey metal	8	2	0			
Very strong grey post	0	2	6			
<b>COAL</b> — <i>Shield Row</i> <i>Seam</i> ...	0	4	2			
				9	5	8
Tender thill stone ...	0	4	6			
<b>COAL</b> ...	0	0	2			
Thill stone ...	0	0	10			
Grey metal ...	0	1	9			
Strong post, with blue partings and whin stone ...	2	5	0			
Grey metal ...	2	1	6			
<b>COAL</b> ...	0	0	10			
				6	2	7
Thill stone ...	0	3	0			
Grey metal, with iron- stone balls...	5	0	0			
Very tender black stone ...	0	3	0			
<b>COAL</b> — <i>5/4 Seam</i> ...	0	4	0			
				6	4	0
Thill stone ...	0	1	6			
Very strong white post	0	2	2			
Grey metal ...	1	5	0			
Whin stone ...	0	3	6			
Strong grey metal ...	2	3	10			
Strong white post, with whin ...	0	3	0			
Strong blue metal ...	2	5	3			
<b>COAL</b> — <i>High Main</i> <i>Seam</i> ...	0	4	9			
				9	5	0
Thill stone ...	0	2	8			
Very strong white post	0	2	4			
Blue metal ...	0	1	10			
White post ...	0	0	11			
Blue metal ...	0	0	4			
White post ...	0	1	0			
Carried forward	1	3	1 55	4	7	

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	3	1 55	4	7	
Blue metal ...	0	0	2½			
White post ...	0	2	11			
Grey metal ...	1	3	5			
Very strong white post	0	2	0			
Grey metal ...	0	1	2			
Black stone ...	0	1	8			
Grey metal ...	0	4	0			
Strong grey post ...	0	0	9			
Grey metal stone, with ironstone balls ...	1	1	0			
Blue metal ...	0	4	6			
Strong grey post ...	0	2	0			
Black stone, with post girdles ...	1	0	4			
White post, mixed with whin in places ...	16	0	0			
<i>Maudlin Seam</i> —						
<b>COAL</b> ...	Ft.	In.				
Strong grey post	0	11				
<b>COAL</b> , coarse, mixed with splint ...	1	5				
Strong white post, mixed with whin..	2	0				
<b>COAL</b> ...	1	3				
	1	0	0			
				25	3	0½
Black slate ...	0	0	11			
Blue metal, with post girdles and mixed with whin ...	4	1	0			
Blue metal ...	0	4	6			
<i>Low Main Seam</i> —						
<b>COAL</b> ...	Ft.	In.				
Black band	0	1½				
<b>COAL</b> ...	1	2½				
	0	4	4½			
				5	4	9½
Grey metal stone, with post girdles ...	2	0	0			
Whin stone ...	0	1	4			
Blue metal ...	0	4	4			
White post ...	0	1	6			
Blue metal, with post girdles ...	0	3	10			
Strong white post ...	0	2	6			
Blue metal ...	0	4	0			
Carried forward	4	5	6 87	0	5	



## No. 1,860.—STANLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward	4	5	6	87	0	5	Brought forward				92	5	5	
<i>Hutton Seam</i> —							Seggar clay ...	0	2	2				
	Ft.	In.					Grey metal, with iron-							
COAL, good	3	10					stone balls...	1	2	2		1	4	4
COAL, coarse	0	6												
Black slate ...	1	2												
				0	5	6								
					5	5	0							
Carried forward				92	5	5	Total ...				*94	3	9	

\* Approximate sea level 102 feet below this.

## No. 1,861.—STANNINGTON.

TOWNSHIP OF STANNINGTON, NORTHUMBERLAND.

Sheet 72 of Ordnance Map. Lat. , Long.

*Account of the Boring in Mr. Errington's South Hird Hill Field, on the Stannington Estate. January 24th, 1839.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	0	9				Brought forward		23	2	4		
Strong brown clay ...	1	3	0				Grey metal and post						
Loamy clay, mixed							girdles ...	2	0	6			
with sand ...	1	3	9				<b>COAL</b> ...	0	1	4			
Rough strong gravel	1	3	0								2	1	10
Strong brown stony							Grey metal stone and						
gravelly clay ...	4	1	6				post girdles ...	1	1	7			
Sand ...	0	0	11				White post, with water	2	0	4			
Brown stony clay ...	3	2	1				<b>COAL</b> ...	0	1	1			
Rambly post...	0	4	0								3	3	0
Strong brown post ...	3	4	2				Grey metal ...	1	2	0			
Dark blue metal ...	0	2	6				<b>COAL</b> ...	0	1	2			
Grey post ...	2	0	8								1	3	2
Dark metal ...	0	1	0				Grey metal ...	0	5	0			
Grey metal stone ...	1	2	6				Dark blue metal ...	0	3	2			
Strong white post,							<b>COAL</b> ...	0	0	6			
with rusty partings	1	2	0								1	2	8
Gulley brown post ...	1	0	0				Grey metal stone and						
<b>COAL</b> ...	0	0	6				post girdles ...	1	4	1			
					23	2	<b>COAL</b> ...	0	0	7			
											1	4	8
Carried forward				23	2	4	Carried forward				33	5	8

Y

## No. 1,861.—STANNINGTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				33	5	8	Brought forward	5	3	3	44	5	5
Grey metal stone ...	0	5	9				<b>COAL</b> , foul... <b>COAL</b> ...	Ft. In. 0 5 2 2					
White post ...	9	3	7					—	0	2	7		
<b>COAL</b> ...	Ft. In. 1 6										5	5	10
Grey metal ...	0	6					Grey metal ...	0	2	0			
<b>COAL</b> ...	0	5					Grey metal stone and iron girdles ...	2	3	3			
	—	0	2	5			Strong white post, with water ...	0	4	0			
				10	5	9	Grey post ...	1	0	6			
Grey metal ...	0	1	8				Grey metal stone ...	1	0	0			
White post ...	0	3	6				<b>COAL</b> ...	0	0	6			
Grey metal stone and post girdles ...	3	4	5								5	4	3
Grey metal ...	0	5	8				Grey metal ...				0	0	4
Carried forward	5	3	3	44	5	5	Total ...				56	3	10

## No. 1,862.—STANNINGTON.

## TOWNSHIP OF STANNINGTON, NORTHUMBERLAND.

Sheet 72 of Ordnance Map. Lat. , Long.

*Section of Borehole at Briery Hill, near Stannington. December 10th, 1872.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	7	2	5			
Clay, with boulder stones ...	1	3	1				Hard white post ...	0	3	5			
Gravel (freestone) ...	0	1	0				Brown post ...	0	0	5			
Shivery brown post...	0	1	1 $\frac{1}{4}$				<b>COAL</b> ...	0	1	9			
Gravel (freestone) ...	0	2	8								8	2	0
Whinstone gravel ...	0	1	0 $\frac{1}{4}$				Good seggar ...	0	1	6			
Blue clay, with very small scates ...	2	2	1 $\frac{1}{2}$				Posty seggar...	0	5	9 $\frac{3}{4}$			
Hard freestone post...	0	2	2				Grey metal and post girdles ...	0	3	10 $\frac{3}{4}$			
Brown post and metal girdles ...	0	2	4				<b>COAL</b> ...	0	0	6			
Brown post ...	1	1	0								1	5	8 $\frac{1}{2}$
Hard white post ...	0	2	2 $\frac{1}{2}$				Good seggar ...	0	0	8			
Brown post ...	0	0	8 $\frac{1}{2}$				Seggar, with ironstone balls ...	0	2	3 $\frac{1}{2}$			
Carried forward	7	2	5				Brown post ...	0	2	9 $\frac{3}{4}$			
							Carried forward	6	5	9 $\frac{1}{2}$	10	1	8 $\frac{1}{2}$

## No. 1,862.—STANNINGTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward	0	5	9½	10	1	8½	Brought forward	18	4	2½	10	1	8½	
Yellow freestone ...	1	4	5¼				Mild white post ...	2	1	6				
Freestone post, with coal pipes ...	0	5	1¼				Mild white post, with scares of coal ...	0	3	2				
Hard freestone post...	1	4	0¾				Grey post, mixed with white post ...	0	4	2				
Brown metal and post band ...	0	2	0¾				White post and coal pipes ...	0	2	0				
Blue metal ...	0	0	9½				Blue metal ...	0	2	6				
Grey metal and scares of post ...	0	2	6¼				Grey metal ...	0	1	0				
Post bands ...	0	2	2¾				Dark blue metal ...	0	1	1				
Brown post girdles ...	0	1	9½											
Grey metal ...	0	1	0½				<b>COAL</b> ...	Ft. In.						
Hard brown post ...	5	4	9				Band ...	0	6					
Sand bed ...	0	0	8				<b>COAL</b> , tender							
Mild brown post ...	0	3	10¼				and brassy...	0	11					
Blue metal and post band ...	0	2	0				Band ...	0	1¼					
White post ...	0	1	6¼				<b>COAL</b> ...	2	11					
Yellow freestone post	0	3	0							0	4	6¼		
Grey post ...	2	3	11									24	0	1¾
Mild brown post ...	1	1	5				Into thill stone ...					0	2	0
Grey post and coal pipes ...	0	1	3											
Carried forward	18	4	2½	10	1	8½	Total ...					34	3	10¼

## No. 1,863.—STELLA AND TOWNELEY.

## TOWNSHIP OF STELLA, DURHAM.

Sheet 2 of Ordnance Map. Lat. , Long.

*A Borehole in Stella Grand Lease Colliery, near Marshall's, at the bottom of a Pit called the Ash Tree Pit, wrought in the High Main Coal. February, 1692.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Strong grey thill ...	2	1	6				Brought forward				14	1	3
Grey stone ...	4	0	0				Metal ...	0	0	4			
White post and water	1	1	6										
Blue metal ...	0	1	6				<b>COAL</b> ...	Ft. In.					
White post ...	5	5	3				Metal ...	1	6				
<b>COAL</b> ...	0	3	6				<b>COAL</b> ...	0	9				
								3	9				
									1	0	0		
											1	0	4
							Grey thill ...				0	0	9
Carried forward				14	1	3	Total ..				15	2	4

## No. 1,864.—STELLA AND TOWNELEY.

TOWNSHIP OF STELLA, DURHAM.

Sheet 2 of Ordnance Map. Lat. , Long.

*Borehole in Stella, about 90 yards South-east of and in the same pasture as the First Hole, at the foot of Boggle Hole. January 2nd, 1783.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Strong clay ...	2	3	0				Brought forward				10	1	1
Sand and water ...	1	0	0				Grey thill ...	0	0	9			
Stony clay and sand...	3	4	6				Grey stone post ...	5	0	0			
Grey stone ...	0	3	0				Grey stone ...	1	0	0			
<b>COAL</b> ...	0	0	10				Grey and white post..	1	2	2			
				7	5	4	Waste and fallen rub-						
Thill ...	0	0	6				bish ...	1	2	0			
Grey stone ..	0	3	0								8	4	11
Black stone ...	0	3	0				Grey thill ...	0	1	0			
Grey stone, with post							Grey stone, with post						
girdle ...	0	4	2				girdle ...	2	5	0			
	Ft.	In.					<b>COAL</b> ...	0	0	8			
<b>COAL</b> ...	1	9									3	0	8
Grey metal ...	0	1					Grey thill ...	0	0	6			
<b>COAL</b> ...	0	10					Grey post girdle ...	3	0	0			
Grey metal ...	0	1					Left off in white post	0	4	0			
<b>COAL</b> ...	0	4									3	4	6
			0	3	1								
				2	1	9							
Carried forward				10	1	1	Total ...				25	5	2

## No. 1,865.—STELLA AND TOWNELEY.

TOWNSHIP OF STELLA, DURHAM.

Sheet 2 of Ordnance Map. Lat. , Long.

*Boring in East Working of the Oak Tree Pit, near the Gateway in Mr. Longridge's Ground, Stella Grand Lease. December 3rd, 1785.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
In grey metal stone...	0	5	0				Brought forward				1	0	2
<b>COAL</b> ...	0	1	2				White metal stone ...	1	0	0			
				1	0	2	Brown and white post	5	1	1			
							<b>COAL</b> ...	0	2	9			
											6	3	10
Carried forward				1	0	2	Carried forward				7	4	0



No. 1,865.—STELLA AND TOWNELEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				7	4	0
Soft grey metal stone	0	1	6			
Black stone ...	0	2	6			
Post girdle ...	0	1	4			
Grey metal stone ...	0	2	0			
Carried forward	1	1	4	7	4	0

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	1	4	7	4	0
Whin ...	0	0	8			
Metal stone ...	2	2	0			
<b>COAL</b> ..	0	3	0			
					4	1
Total ...				11	5	0

## No. 1,866.—STELLA AND TOWNELEY.

TOWNSHIP OF STELLA, DURHAM.

Sheet 5 of Ordnance Map. Lat.  $54^{\circ} 57' 9''$ , Long.  $1^{\circ} 47' 1''$ .

*Strata sunk through in the New Winning or A Pit, Stella Grand Lease Colliery,  
in Heath Field. October 7th, 1795.*

Approximate surface level 510 feet above sea (Ordinance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs.	Ft.	In.
Outset ... ..				0	2	0			
Bluish clay, with bro-									
ken post ... ..	2	1	4						
Platy brownish post... ..	1	1	6						
Whin ... ..	0	1	8						
Brown post ... ..	3	1	6						
White post ... ..	2	1	0						
Blue cash parting ... ..	0	1	0						
Post girdles ... ..	0	1	0						
Blue metal ... ..	0	1	6						
<b>COAL—Grand Lease</b>									
Main Coal ... ..	1	0	0						
				10	4	6			
Thill ... ..	0	3	0						
Grey post ... ..	0	4	0						
Blue metal stone and									
whin girdles ... ..	5	2	0						
Cash parting... ..	0	1	0						
Blue metal stone, with									
girdles ... ..	0	3	6						
Brown post, with coal									
pipes ... ..	2	5	4½						
<b>Crow Coal—</b>									
<b>COAL</b> , top, Ft. In.									
good ... ..	1	4½							
Band ... ..	0	4							
<b>COAL</b> ... ..	0	2							
Band, mixed									
with coal ... ..	0	5½							
<b>COAL</b> , bot-									
tom, tender ... ..	0	6½							
				0	2	10½			
				10	3	9			
Carried forward	21	4	3						

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				21	4	3
Thill ... ..	0	1	6			
Grey post ... ..	1	0	0			
<b>COAL</b> ... ..	0	0	4			
Blue metal stone ... ..	0	4	2			
<b>COAL</b> , mixed with						
blue stone— <i>Cannel</i>						
<i>Coal</i> ... ..	0	3	6			
				2	3	6
Blue metal stone ... ..	0	1	6			
<b>COAL—5¼ Seam</b> ... ..	0	3	8			
				0	5	2
Thill ... ..	0	1	8			
Blue metal stone and						
some thick coal						
<i>pipes</i> ... ..	0	1	4			
Black metal stone,						
with coal ... ..	0	1	9			
Blue metal stone, with						
catheads ... ..	0	2	5			
<b>COAL</b> ... ..	0	0	7			
				1	1	9
Thill ... ..	0	0	5			
Blue metal stone, with						
catheads ... ..	0	3	1			
Grey scamy post, with						
whin ... ..	3	1	0			
				3	4	6
Carried forward	3	4	6	26	2	8

## No. 1,866.—STELLA AND TOWNELEY.—CONTINUED.

Brought forward		Fs.	Ft.	In.	Fs.	Ft.	In.
		3	4	6	26	2	8
<i>Ruler Coal—</i>	<i>Ft. In.</i>						
COAL ...	0 6						
Black band	0 2						
COAL ...	1 2						
	—	0	1	10			
					4	0	4
Thill ...	...	0	0	9			
Blue metal stone, with catheads ...	...	0	5	0			
Very scamy white post ...	...	0	1	4			
Parting ...	...	0	0	1			
White post, very scamy	...	0	1	0			
Parting ...	...	0	0	1			
Grey post ...	...	0	0	8			
Parting ...	...	0	0	3			
Brown post, with water at bottom ...	...	0	0	11			
Blackish metal stone, with water ...	...	0	0	4			
Scamy white post ...	...	0	1	1			
Blackish metal stone	...	0	0	4			
Brown post girdle, with water ...	...	0	0	6			
Brown post, with more water (wedged it off)	...	0	2	6			
Brown post, with whin	...	0	5	6			
Brown post, very close and hard ...	...	0	3	0			
Parting, with water (wedged off) ...	...	0	0	1			
Grey scamy post ...	...	0	3	3			
Parting ...	...	0	0	1			
Grey scamy post, with strong brown girdles	...	0	1	8			
Scamy parting and water (wedged off)	...	0	0	6			
Grey scamy post and strong girdles ...	...	0	5	7			
Scamy white post, with water (wedged off) ...	...	0	0	9			
Brown post ...	...	0	3	7			
Parting ...	...	0	0	1			
Brown post, extremely hard ...	...	0	5	2			
Grey post, very full of coal pipes and black scares ...	...	0	1	9			
Black metal, scared with coal ...	...	1	4	4			
Thill ...	...	0	2	3			
COAL ...	...	0	0	7			
					9	5	0
Carried forward					40	2	0
Brought forward		Fs.	Ft.	In.	Fs.	Ft.	In.
		40	2	0			
Thill ...	...	0	2	8			
Grey stone ...	...	0	4	9			
Blue metal stone, with catheads ...	...	0	3	11			
COAL, very coarse...	...	0	0	10			
					2	0	2
Black stone, scared with coal ...	...	0	0	6			
Thill ...	...	0	0	10			
Scamy grey post ...	...	0	4	0			
Brown post, with whin	...	0	2	4			
Dun whin ...	...	0	1	1			
Strong brown post, with a parting ...	...	0	1	0			
Brown post, with whin, very hard ...	...	0	0	8			
Grey metal stone ...	...	0	1	6			
Brown post girdles and a parting ...	...	0	2	1			
Blue metal stone and some catheads ...	...	1	0	3			
<i>Barlow Field Coal</i>							
<i>Seam—</i>	<i>Ft. In.</i>						
COAL, splint	0 10						
Band ...	0 1						
COAL, tender	1 8						
Band ...	0 1						
COAL ...	0 5						
	—	0	3	1			
					3	5	4
Thill ...	...	0	0	10			
Blue metal stone ...	...	0	5	11			
COAL ...	...	0	0	9			
Thill ...	...	0	0	7			
Blue metal stone, with catheads ...	...	0	4	10			
COAL ...	...	0	0	5			
Thill ...	...	0	1	4			
Brown post ...	...	0	0	8			
Grey post ...	...	0	5	10			
White post, dun at bottom ...	...	0	2	4			
Parting ...	...	0	0	2			
White post, with whin at top ...	...	3	1	2			
Black stone, with particles of post ...	...	0	0	3			
<i>Tilly Coal—</i>	<i>Ft. In.</i>						
COAL ...	1 0						
Splint ...	0 3						
COAL ...	0 11						
	—	0	2	2			
					7	3	3
Carried forward					53	4	9

## No. 1,866.—STELLA AND TOWNELEY.—CONTINUED.

Brought forward	Fs.	Ft.	In.	Fs.	Ft.	In.
Thill ... ..	0	2	10	53	4	9
Blue metal stone and catheads ... ..	0	1	10			
White post girdles, with partings ...	0	2	1			
Brown post ... ..	0	1	5			
Blue metal stone ...	0	0	5			
<b>COAL</b> — <i>Hand Coal</i>	0	0	2			
				1	2	9
Thill ... ..	0	2	0			
Blue metal stone, with catheads ... ..	0	2	0			
Grey post, mixed with whin ... ..	0	3	4			
Blue metal stone ...	0	0	7			
Grey and white post girdle and partings	1	5	5			
Grey post, with whin	1	0	0			
Blue metal stone ...	0	3	7			
<i>Stone Coal</i> —	Ft.	In.				
<b>COAL</b> , strong	0	2				
<b>COAL</b> , tender	0	6				
<b>COAL</b> , scary	1	4 $\frac{1}{2}$				
<b>COAL</b> , tender	0	4 $\frac{1}{2}$				
	0	2	5			
				5	1	4
Thill ... ..	0	3	0			
Grey post, with whin	1	2	4			
Blue metal stone ...	0	1	6			
Grey post, with whin	0	2	4			
Blue metal stone ...	0	2	1			
<b>COAL</b> — $\frac{5}{4}$ Seam ...	0	3	4			
				3	2	7
Thill ... ..	0	0	0 $\frac{1}{2}$			
Brown post ... ..	0	1	7 $\frac{1}{2}$			
Grey post, with catheads ... ..	0	1	8			
Grey post girdles, with black scares...	0	1	0			
Dun post ... ..	0	2	3			
Blue grey metal stone	0	1	3			
Dun post ... ..	0	1	9			
Cash parting...	0	0	6			
Dun post ... ..	0	1	3			
Black metal stone ...	0	0	2			
<b>COAL</b> ... ..	0	0	3			
Thill, top mixed with coal ... ..	0	1	3			
Dun whin girdle ...	0	0	5			
Black metal stone ...	0	2	7			
Blue metal stone ...	0	0	10			
Whin girdle ... ..	0	0	6			
Carried forward	2	5	4	63	5	5
Brought forward	Fs.	Ft.	In.	Fs.	Ft.	In.
Blue metal stone, black at bottom ... ..	0	5	6			
<i>Three-Quarter Seam</i> —						
<b>COAL</b> , top	Ft.	In.				
Band ... ..	0	0 $\frac{1}{2}$				
<b>COAL</b> , bottom ...	0	11 $\frac{1}{2}$				
	0	2	6			
				4	1	4
White post ... ..	0	2	4			
Brownish post ...	0	2	3			
Whin ... ..	0	1	3			
Grey post ... ..	0	2	6			
Blue metal stone, with $\frac{3}{8}$ inch of splint at bottom ... ..	0	5	1			
Thill ... ..	0	0	4			
Brown post ... ..	0	2	10			
Blue metal stone, with catheads ... ..	0	3	10			
<b>COAL</b> ... ..	0	0	2			
Thill ... ..	0	0	5			
Grey metal stone ...	0	3	1			
White post, with whin clyers ... ..	4	0	10			
<b>COAL</b> ... ..	0	0	8			
				8	1	7
Blue metal stone ...	0	0	10			
<i>Brockwell Seam</i> —						
<b>COAL</b> ... ..	Ft.	In.				
Black metal stone or jet	0	3				
<b>COAL</b> ... ..	2	11				
	0	3	3			
				0	4	1
Grey post girdles ...	0	0	5			
<b>COAL</b> ... ..	0	0	3			
Left off in dun post...	0	2	4			
				0	3	0
Total ... ..				*77	3	5

\* Approximate sea level 51 $\frac{1}{2}$  feet below this.

## No. 1,867.—STELLA AND TOWNELEY.

TOWNSHIP OF STELLA, DURHAM.

Sheet 5 of Ordnance Map. Lat.  $54^{\circ} 57' 18''$ , Long.  $1^{\circ} 46' 36''$ .*Account of Strata sunk through at B Pit, Grand Lease Colliery. 1805.*

Approximate surface level 470 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.			
Walling to bottom of <i>Grand Lease Main</i> <i>Coal</i> ...	10	2	6				Brought forward	3	4	0	40	4	4			
Strong white post ...	9	1	4				<i>Barlow Field or Towne-</i> <i>ley Main Seam—</i>									
Walling put up in at the <i>Five-Quarter</i> ...	2	3	5				Ft. In.									
Strong girdle and blue metal stone ...	0	3	5				COAL, splint	0	10							
COAL ...	0	0	11				Black stone...	0	2½							
				22	5	7	COAL ...	2	0							
Thill ...	0	1	10				Swad ...	0	1½							
Blue metal stone ...	0	5	4				COAL ...	0	10½							
Grey post, mixed with whin ...	0	5	3						0	4	0½					
Strong blue metal, mixed with strong girdles ...	3	1	9				Thill ...	0	1	3						
COAL— <i>Ruler Coal</i>	0	2	5				Grey metal stone ...	1	1	9						
				5	4	7	COAL ...	0	1	8						
Thill ...	0	0	10								1	4	8			
Blue metal stone ...	0	2	8				Thill ...	0	1	2						
Grey post, mixed with whin and brown post ...	2	0	0				Grey post ...	1	3	5						
Strong blue metal, mixed with strong girdles ...	0	0	2				Parting ...	0	0	2						
Parting and brown post ...	0	5	4				Brown post ...	3	3	3						
Parting, with water...	0	0	2				COAL— <i>Tilly Coal</i>	0	2	0						
Brown post ...	1	2	0								5	4	0			
Parting, with water...	0	0	2				Thill ...	0	1	4						
Brown post ...	0	3	0				Grey metal stone ...	0	2	1						
Parting, with water...	0	0	5				COAL ...	0	0	4						
Brown post ...	1	3	3								0	3	9			
Black stone, water wedged ...	1	5	5				Grey metal stone ...	0	4	4						
Blue metal stone ...	0	1	3				COAL ...	0	0	5						
COAL ...	0	0	7								0	4	9			
				9	1	3										
Grey post ...	0	5	9				Grey metal stone ...	0	3	2						
Grey post, mixed with whin ...	1	4	3				Whin ...	0	3	3						
COAL ...	0	0	11				Blue stone ...	1	3	1						
				2	4	11										
Blue stone, mixed with girdles ...	3	4	0				<i>Stone Coal Seam—</i>									
							Black jet ...	0	6							
Carried forward	3	4	0	40	4	4	COAL ...	2	6							
										0	3	0				
													3	0	6	
							Thill ...	0	2	10						
							Blue metal stone, with post girdles ...	2	1	0						
							COAL— <i>5/4 Seam</i> ...	0	3	5						
											3	1	3			
							Total ...				*60	1	3½			

\* Approximate sea level 108 $\frac{3}{4}$  feet below this.



## No. 1,868.—STELLA AND TOWNELEY.

TOWNSHIP OF STELLA, DURHAM.

Sheet 1 of Ordnance Map. Lat. 54° 57' 53", Long. 1° 44' 54".

*Account of Strata sunk through at Stargate New Winning Pit, Grand Lease Colliery, near Ryton. June 16th, 1803.*

Approximate surface level 280 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset from surface...	0	1	0				Brought forward				23	5	2 $\frac{1}{4}$
Sand and gravel...	2	0	0				Thill ...	0	2	3			
Sand and clay, with water ...	3	0	0				Grey post, mixed with black scares ...	1	2	6			
Strong clay ...	1	2	5				Strong grey post and whin layers ...	0	3	5			
Broken blue metal stone ...	0	3	0				White post, mixed with whin girdles...	0	2	2			
<i>Main Coal Seam—</i>							<i>Coal parting</i> , with water wedged off, 240 gallons per hour ...	0	0	4			
Ft. In.							Grey girdles ...	0	0	10			
COAL, top ...	1	6					<b>COAL</b> , with a little water ...	0	0	9			
Band ...	0	2									3	0	3
COAL, good ...	5	11					Thill ...	0	1	7			
				1	1	7	Blue stone, with grey girdles ...	2	4	4			
						8	Blue stone, mixed with pieces of round whin	0	3	0			
Thill ...	0	2	6				Blue stone, mixed with strong grey girdles	1	2	4			
Grey post ...	2	4	6				<i>Ruler Coal—</i>						
Parting ...	0	0	8				Ft. In.						
White post ...	1	5	0				COAL ...	0	7				
Chalk parting ...	0	0	11				Band ...	0	2				
White post, mixed with water ...	1	1	8				COAL ...	1	1				
Blue stone ...	0	2	0								0	1	10
Strong white post, mixed with blue scares ...	3	1	9										5
Strong white post ...	2	4	11										1
Strong blue stone ...	0	2	10										
Strong grey post girdle ...	0	3	10										
<i>Crow Coal Seam—</i>													
Ft. In.													
COAL ...	1	7											
Band ...	0	0 $\frac{1}{4}$											
COAL, middle ...	0	7											
COAL, bottom, bad...	0	7											
				0	2	9 $\frac{1}{4}$							
Thill ...	0	0	8										
<i>Five-Quarter Seam—</i>													
Ft. In.													
COAL ...	0	7											
Slaty band ...	0	4											
COAL ...	0	10											
Band and slate ...	0	3											
COAL ...	1	10											
Band ...	1	0											
COAL ...	0	4											
				0	5	2							
Carried forward				23	5	2 $\frac{1}{4}$	Carried forward	5	5	3	32	0	6 $\frac{1}{4}$

## No. 1,868.—STELLA AND TOWNELEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	5	5	3	32	0	6 $\frac{1}{4}$	Brought forward	57	3	10 $\frac{3}{4}$			
Blue stone, mixed with catheads, cut out for tubbing, 20, 60-gal. tubs per hour	...	1	1	7			Thill	...	0	4	5		
Strong grey post	...	0	1	6			Blue stone	...	0	2	0		
Black stone, mixed with catheads	...	2	1	11			Whin	...	0	0	7		
Strong grey post	...	0	1	2			Grey post	...	0	0	8		
Blue metal stone	...	0	3	2			Blue stone	...	0	1	10		
COAL and black jet, with water, wedged off	...	0	0	9			Whin	...	0	0	4		
				10	3	4	Grey post, with blue stone	...	0	2	8		
Strong grey post, mixed with whin	...	3	0	10			COAL—Hand Coal Seam	...	0	0	4		
Dun whin	...	0	2	0							2	0	10
Strong grey post	...	0	3	3 $\frac{3}{4}$		*	Thill	...	0	1	3		
				0	1	2 $\frac{1}{4}$	Blue stone	...	0	2	7		
COAL, with six 60-gal. tubs per hour, wedged off	...	0	0	9			Thill	...	0	1	6		
				4	2	1	Blue stone	...	0	0	7		
Black jet, wedged off on account of water	...	0	0	5			White post	...	0	0	6		
Thill	...	0	0	10			Blue stone	...	0	0	4		
Blue metal stone	...	0	3	8			Whin	...	0	0	5		
Black stone, mixed with strong girdles	...	0	3	0			Grey post	...	0	1	0		
Whin girdles, wedged off	...	0	0	4			White post	...	0	1	9		
COAL, with 52 tubs per hour wedged off	...	0	0	3			Blue stone and hard girdles	...	0	1	0		
				1	2	6	White post	...	0	1	0		
Strong blue stone, mixed with strong grey girdles	...	1	0	0			Chalk parting	...	0	0	2		
Strong blue stone, mixed with whin girdles	...	1	2	0			Whin	...	0	0	9		
Barlow Fell Coal, or Towneley Main Seam—							Blue stone	...	0	4	8		
COAL, top	Ft. In.	0	8 $\frac{1}{2}$				Stone Coal, Five-Quarter, or Main Coal Seam—	Ft. In.					
Black band	...	0	2				COAL	...	2	8			
COAL, good	...	3	6				Thill	...	0	3			
				0	4	4 $\frac{1}{2}$	COAL	...	0	5			
				3	0	4 $\frac{1}{2}$					0	3	4
Box and pipe	...	1	5	9							3	2	10
Blue stone and hard girdle	...	0	3	5			Thill	...	0	2	11		
COAL (Hodge Seam), with a good feeder of water	...	0	2	4			Blue stone	...	1	0	3		
				2	5	6	Whin	...	0	0	7		
Thill	...	0	0	7			Blue stone and whin girdles	...	0	5	8		
Chalk parting	...	0	0	1			White post, mixed with whin	...	0	1	8		
White post	...	2	4	7			Blue stone	...	0	4	6		
COAL (Tilly Seam), with a small feeder of water	...	0	2	4			COAL—Under 5/4 or 6/4 Seam	...	0	3	7		
				3	1	7					4	1	2
Carried forward				57	3	10 $\frac{3}{4}$	Thill	...	0	2	4		
							Blue stone and whin girdles	...	0	2	6		
							COAL	...	0	0	10		
											0	5	8
							Thill	...	0	0	10		
							Blue metal stone	...	0	0	8		
							Black stone	...	0	2	10		
							Grey post	...	0	0	8		
							Blue stone and girdles	...	0	4	0		
							COAL—3/4 Coal or Yard Seam	...	0	2	6		
											1	5	6
							Thill	...	0	1	1		
							Carried forward				0	1	1 70 1 10 $\frac{3}{4}$

\* Approximate sea level (Ordnance datum).

## No. 1,868.—STELLA AND TOWNELEY.—CONTINUED.

Brought forward	Fs.	Ft.	In.	Fs.	Ft.	In.	Brought forward	Fs.	Ft.	In.	Fs.	Ft.	In.
	0	1	1	70	1	10 $\frac{3}{4}$					73	2	2 $\frac{3}{4}$
Blue metal and post girdles ... ..	1	4	10				Thill ... ..	0	0	3			
Grey post ... ..	0	1	1				Strong white post, mixed with whin ...	6	1	9			
Blue stone ... ..	0	1	1				Chalk parting ... ..	0	0	1			
Grey post ... ..	0	0	6				Strong white post, mixed with whin ...	2	3	5			
Blue stone ... ..	0	1	0				<b>COAL</b> — <i>Brockwell</i>						
Whin ... ..	0	0	5				<i>Seam</i> ... ..	0	3	3			
White post ... ..	0	2	1										
<b>COAL</b> ... ..	0	0	3										
				3	0	4							
Carried forward				73	2	2 $\frac{3}{4}$	Total ... ..				82	4	11 $\frac{3}{4}$

## No. 1,869.—STELLA AND TOWNELEY.

## TOWNSHIP OF STELLA, DURHAM.

Sheet 2 of Ordnance Map. Lat. , Long.

*Bored through out of Stella Freehold Top (supposed Five-Quarter) Seam, after driving about 20 yards in clay, bearing from Shaft S. 13 $\frac{1}{4}$  W. 1,450 links.  
September 13th, 1939.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Clay, with large gravelly stones ... ..	2	1	0			
Slaty blue metal ... ..	0	4	8			
Slaty black metal ... ..	0	1	8			
Grey metal and post girdles ... ..	2	1	10			
Dark blue metal ... ..	0	1	6			
Strong white post and partings (no water) ...	6	5	4			
<b>COAL</b> ... ..	0	2	11			
				13	0	11
Thill ... ..				0	0	7
Total ... ..				13	1	6

## No. 1,870.—STELLA AND TOWNELEY.

## TOWNSHIP OF RYTON, DURHAM.

Sheet 1 of Ordnance Map. Lat. , Long.

*Account of Hole bored 205 yards South from Towneley Pit, by Howden Pickering.  
October, 1822.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Sand and gravel ... ..	4	2	0			
Blue clay ... ..	7	0	0			
Blue stone ... ..	0	4	8			
<b>COAL</b> — <i>Main Coal Seam</i> ... ..	1	1	4			
				13	2	0
Total ... ..				13	2	0

## TOWNSHIP OF STELLA, DURHAM.

Sheet 2 of Ordnance Map. Lat. , Long.

*Account of Strata bored through at the East End of Stella Foundry, at the lowest level. January 20th, 1827.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Gravel	...	...	0	4	5		Brought forward				10	1	2	
COAL	...	...	0	3	1		Thill	...	...	0	1	6		
						1	1	6	Blue stone	...	...	1	1	10
Sand	...	...	0	0	6		Grey post	...	...	0	1	2		
Thill	...	...	0	1	1		White post	...	...	0	3	4		
White post	...	...	0	1	10		White post, mixed	...	...					
Parting	...	...	0	0	8		with whin	...	...	1	1	4		
White post	...	...	0	3	7		Parting	...	...	0	0	1		
Blue stone	...	...	1	0	5		Strong white post	...	...	0	3	4		
White post	...	...	0	1	1		Grey post	...	...	2	1	8		
COAL	...	...	0	1	0		Blue stone, with whin	...	...					
						2	4	2	girdles	...	...	1	3	1
Thill	...	...	0	1	6		Black stone	...	...	0	5	0		
Blue stone	...	...	2	0	0		Grey post	...	...	0	4	0		
Grey post	...	...	0	1	0		Whin	...	...	0	0	11		
Parting, with water	...	...	0	0	1		Strong grey post	...	...	1	1	3		
Blue stone	...	...	0	2	3		Blue stone and strong	...	...					
Blue stone, with whin	...	...					girdles	...	...	2	0	9		
girdles	...	...	1	0	0		Left off in a strong	...	...					
Parting, with water...	...	...	0	0	1		whin	...	...	0	0	1		
Blue stone, with post	...	...												
girdles	...	...	1	5	7									
COAL	...	...	0	3	0									
						6	1	6						
Carried forward						10	1	2	Total	...	...	23	0	6

## TOWNSHIP OF STELLA, DURHAM.

Sheet 2 of Ordnance Map. Lat. , Long.

*Account of Strata sunk through in Stella Freehold, East of the Gate Pit 500 yards, by the Waggonway side North of the Dyke. Begun December 11th, 1837.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	2	0				Brought forward	15	3	4½			
Gravelly clay ...	2	1	0				Blue metal, with post						
Sand, with water ...	0	3	0				girdles ... ..	3	1	0			
Strong gravelly clay, with layers of sand	12	3	4½										
Carried forward	15	3	4½				Carried forward	18	4	4½			



## No. 1,872.—STELLA AND TOWNELEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	18	4	4 $\frac{1}{2}$				Brought forward	3	5	0 $\frac{1}{2}$	22	2	9 $\frac{1}{2}$
COAL (January 3rd, 1838), depth of staple 4 ft. 6 in. ...	0	3	6				Grey post, water left the hole ...	5	4	9 $\frac{1}{2}$			
				19	1	10 $\frac{1}{2}$	Grey whin ...	0	0	9			
<i>Bored from here:—</i>							Grey post ...	0	1	11			
Dark blue metal ...	2	4	11				Grey metal and post girdles ...	0	5	1			
COAL ...	0	1	1				COAL ...	0	3	7			
Dark band ...	0	0	2 $\frac{1}{2}$								11	3	2
COAL and black stone ...	0	0	8 $\frac{1}{2}$				Grey thill ...	0	4	0			
				3	0	11	Grey metal ...	1	1	3 $\frac{1}{2}$			
Thill stone ...	0	2	0				Blue metal ...	0	3	0			
Grey post ...	0	4	7				COAL ...	0	1	1			
Grey and blue metal, with post girdles ...	2	4	5 $\frac{1}{2}$				Thill ...	0	1	9			
											2	5	1 $\frac{1}{2}$
Carried forward	3	5	0 $\frac{1}{2}$	22	2	9 $\frac{1}{2}$	Total ...				36	5	1

## No. 1,873.—STELLA AND TOWNELEY.

## TOWNSHIP OF STELLA, DURHAM.

Sheet 2 of Ordnance Map. Lat. , Long.

*Strata sunk through in Stella Township, North Ryton. Finished April 21st, 1838.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sand and gravel ...	1	2	0				Brought forward	20	1	6 $\frac{1}{2}$			
Strong gravelly clay, with tumbling stones and sand ...	13	2	0				Grey thill ...	0	2	0			
Blue stone, with post girdles ...	3	0	0				Black stone ...	0	3	4			
							Grey post ...	0	3	8			
COAL ...	0	6					COAL ...	0	1	5			
Band ...	0	0 $\frac{1}{2}$									1	4	5
COAL ...	0	2 $\frac{1}{2}$					Band ...	0	0	3			
Band ...	0	0 $\frac{1}{4}$					COAL ...	0	0	5			
COAL, good..	2	9 $\frac{1}{4}$									0	0	8
				0	3	6 $\frac{1}{2}$	Grey thill ...	0	3	0			
				18	1	6 $\frac{1}{2}$	Grey metal ...	2	3	5			
Grey thill ...	0	5	0				White post ...	6	3	3			
Blue stone ...	1	0	0				COAL ...	0	3	0			
Black stone ...	0	0	7								10	0	8
COAL ...	0	0	5				Grey thill ...	0	3	0			
				2	0	0	Grey metal post ...	1	3	0			
							COAL ...	0	1	0			
Carried forward	20	1	6 $\frac{1}{2}$								2	1	0
							Total ...				34	2	3 $\frac{1}{2}$

## No. 1,874.—STELLA AND TOWNELEY.

TOWNSHIP OF STELLA, DURHAM.

Sheet 2 of Ordnance Map. Lat.  $54^{\circ} 57' 50''$ , Long.  $1^{\circ} 44' 20''$ .*Boring Account at Stella Freehold or Bog Pit. Finished boring August 8th, 1840.*

Approximate surface level 202 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Mild grey post ...	0	1	9				Brought forward				13	1	1
Blue stone ...	0	2	0				Clay ...	0	0	6			
White post ...	1	3	4				Blue stone and post						
Mild parting... ..	0	0	4				girdles ...	0	5	5 $\frac{1}{2}$			
White post ...	1	1	9								0	5	11 $\frac{1}{2}$
Parting ...	0	0	2				<i>Resumed boring, June</i>						
White post ...	0	5	2				<i>22nd, 1840 :—</i>						
Parting ...	0	0	2				Blue metal, with grey						
White post ...	0	3	6				post girdles ...	1	1	10			
Blue stone ...	0	2	0				<b>COAL</b> ...	0	0	6			
Grey post ...	0	3	2				Thill ...	0	0	10			
White post ...	0	5	3				Grey post ...	0	3	0			
Parting ...	0	0	2				Blue metal ...	0	2	8			
White post ...	1	3	0				White post, with part-						
Parting ...	0	0	2				ings ...	1	1	8			
White post ...	1	2	10				<b>COAL</b> ...	0	1	1			
Blue stone ...	0	2	0				Thill ...	0	1	0			
Black stone, with <i>coal</i>							Blue metal, with post						
<i>pipes</i> ...	0	2	2				girdles and blue						
<b>COAL</b> ...	0	1	6	10	4	5	stone ...	1	0	11			
							White post ...	1	1	2			
Clay ...	0	3	0				Blue metal ...	0	0	9			
Grey post ...	0	3	8				Strong white post ...	1	0	7			
Blue stone ...	1	2	0				Strong white post,						
<b>COAL</b> ...	0	0	2	2	2	10	with partings ...	0	3	3	8	1	3
Carried forward	13	1	1				Total ...				*22	2	3

\* Approximate sea level  $67\frac{3}{4}$  feet below this.

## No. 1,875.—STELLA AND TOWNELEY.

TOWNSHIP OF RYTON, DURHAM.

Sheet 1 of Ordnance Map. Lat.  $54^{\circ} 58' 11''$ , Long.  $1^{\circ} 46' 30''$ .*Strata sunk through in the Emma Pit, Towneley Colliery. Commenced March 17th, 1845.*

Approximate surface level 280 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	4	2	4			
Clay, gravel, and sand	2	3	6				Soft black stone ...	0	2	5			
Yellow and white free-							stone ...						
stone ...	1	3	10				Yellow and white free-	4	2	3			
							stone ...						
Carried forward	4	2	4				Carried forward	9	1	0			

## No. 1,875.—STELLA AND TOWNELEY.—CONTINUED.

Brought forward				Brought forward			
Fs.	Ft.	In.		Fs.	Ft.	In.	
9	1	0		1	0	7	36 3 7½
<b>COAL—Grand Lease</b>				<b>Ironstone band</b> ...			
<i>Main Coal</i> (old waste				Grey metal, with post			
crept close; cut into				girdles and 60 galls.			
seam March 28th,				of water per minute			
1845) ...				Grey post girdle ...			
1	1	0		Grey metal, with water			
			10 2 0	White post, with water			
Grey metal ...	1	0	0	Grey whin ...			
Dark grey post and				White post, with water			
blue metal ...	3	0	0	Grey whin ...			
Grey post and blue				White post ...			
metal stone ...	2	0	0	Grey metal ...			
Grey metal, with post				Grey metal ...			
girdles ...	0	3	7	Grey post girdles, with			
White post, with metal				water ...			
partings ...	0	3	7	Grey metal ...			
White post, with metal				Blue stone ...			
partings ...	0	3	10	Band of ironstone ...			
<b>COAL—Crow Coal</b>				Grey metal, with			
<i>Seam</i> ...	0	2	0	bands of freestone..			
			8 1 0	<b>COAL</b> ...			
Seggar clay ...	0	2	0	Seggar clay ...			
Grey metal and post				<b>COAL</b> ...			
girdles ...	0	2	0				
Grey metal and post							
girdles ...	0	0	10				
Blue metal ...	0	1	4				
Grey metal, with iron-				Grey metal ...			
stone girdles ...	1	1	6	Post ...			
Blue metal ...	0	4	1	Grey metal ...			
Grey metal, with iron-				<b>COAL</b> ...			
stone balls and gir-							
dles ...	6	2	6½				
<b>Five-Quarter Seam—</b>							
	Ft.	In.					
<b>COAL</b> ...	0	5					
Black stone							
band ...	2	4					
<b>COAL</b> ...	2	11					
Black stone							
band ...	0	11					
<b>COAL</b> ...	0	5					
	1	1	0				
			10 3 3½				
Thill ...	0	1	11				
White post, with metal							
partings and water	0	5	9				
Grey metal ...	0	1	5				
<b>COAL</b> ...	0	0	8				
			1 3 9				
Grey metal ...	1	2	7				
Grey post, with water	2	0	4				
Grey metal ...	2	0	6				
<b>Ruler Seam—</b>							
	Ft.	In.					
<b>COAL</b> ...	0	11					
Band ...	0	1½					
<b>COAL</b> ...	1	1½					
	0	2	2				
			5 5 7				
Seggar clay ...	0	1	4				
Grey metal ...	0	5	3				
Carried forward	1	0	7 36 3 7½				

\* Approximate sea level (Ordnance datum).

## No. 1,875.—STELLA AND TOWNELEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.				
Brought forward	7	0	0	53	5	7		Brought forward	3	5	7	67	5	6			
White post ...	...	...	...	0	0	10		Grey metal, with post	...	...	...	...	...	...			
Blue stone ...	...	...	...	0	1	3½		girdles ...	...	...	2	0	0				
COAL—Hand Coal	0	0	2½					COAL—¾ Seam ...	0	2	4						
					7	2	4						6	1	11		
Blue stone ...	...	...	...	0	2	10		Thill ...	...	...	0	2	4				
White post ...	...	...	...	0	1	8		Grey post ..	...	...	0	3	1				
Brown whin ...	...	...	...	1	0	9		White post ...	...	...	0	1	3				
White post ...	...	...	...	0	1	6		Grey metal ...	...	...	0	5	6				
Blue stone ...	...	...	...	0	3	0		White post ...	...	...	0	0	8				
Stone Coal Seam—								Grey metal ...	...	...	0	1	6				
COAL ...	2	1						Grey post ...	...	...	1	0	2				
Band ...	0	2						Grey metal ...	...	...	0	1	8				
COAL ...	0	3						Grey post ...	...	...	0	2	4				
				0	2	6		White post ...	...	...	5	3	8				
					3	0	3	Blue metal ...	...	...	0	0	3				
Blue stone ...	...	...	...	0	3	8		White post ...	...	...	0	1	3				
White post ...	...	...	...	1	1	9		Blue metal ...	...	...	0	0	4				
Brown whin ...	...	...	...	0	4	7		White post ...	...	...	0	0	8				
Post girdles ...	...	...	...	0	0	7		Brockwell Seam—									
Blue stones ...	...	...	...	0	1	6		COAL ...	Ft. In.								
Five-Quarter Seam—								Band ...	0	4							
COAL, top... ..	Ft. In.							COAL, coarse	0	5							
Band ...	0	1						COAL, good	2	2½							
COAL, good	2	3						Splint ...	0	6							
COAL, coarse	0	5									0	3	6½				
				0	3	3							10	4	2½		
					3	3	4										
Commenced to sink								Thill ...	...	...	0	2	6				
from 5/4 to Brock-								Grey metal ...	...	...	0	2	0				
well Seam, April 6th,								COAL ...	...	...	0	0	6				
1881:—														0	5	0	
Seggar clay ...	...	...	...	0	1	0		Grey metal ...	...	...	0	2	5				
Grey post, with whin	...	...	...	2	1	7		White post ...	...	...	0	1	1				
Blue stone ...	...	...	...	0	1	6		Blue metal ...	...	...	0	0	2				
Grey post ...	...	...	...	0	1	10		White post ...	...	...	0	0	7				
Blue stone ...	...	...	...	0	1	8		Blue metal ...	...	...	0	0	4				
Grey whin ...	...	...	...	0	4	0		White post ...	...	...	0	2	6				
								Grey metal ...	...	...	0	0	8				
								White post ...	...	...	1	2	0				
												2	3	9			
Carried forward	3	5	7	67	5	6		Total sunk ...	...	...		88	2	4½			

## No. 1,876.—STELLA AND TOWNELEY.

TOWNSHIP OF RYTON, DURHAM.

Sheet 1 of Ordnance Map. Lat. 54° 58' 12", Long. 1° 46' 23".

*Strata sunk through in a Staple from the Five-Quarter Seam to the Brockwell Seam, 74 yards South 87½ East of the Emma Pit, Towneley Colliery.*

Approximate surface level 277 feet above sea (Ordnance datum).

		Fs.	Ft.	In.	Fs.	Ft.	In.			Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to 5/4 Seam	{				46	1	0	Brought forward		0	0	8	67	5	6
					21	4	6*		Thill, mixed with cat-						
Seggar clay	...	...	0	0	8			heads	...	...	0	0	9		
								COAL	...	...	0	0	1		
													0	1	6
Carried forward			0	0	8	67	5	6	Carried forward				68	1	0

\* Approximate sea level (Ordnance datum).





## No. 1,877.—STELLA AND TOWNELEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	6	1	3	67	5	6
<i>Three-Quarter Seam—</i>						
		Ft.	In.			
COAL ...	1	6	$\frac{1}{2}$			
Band ...	0	3				
COAL ...	0	9				
Band ...	0	1				
COAL ...	0	1	$\frac{1}{2}$			
	<hr/>			0	2	9
				6	4	0
(A drift was driven back in this seam to a borehole in the pit for the purpose of water drainage.)						
<i>Bored from here:—</i>						
Grey metal and post girdles ...	1	0	4			
Grey metal ...	0	5	9			
Grey metal and post girdles ...	0	5	5			
Soft grey metal ...	0	0	4			
Hard grey post ...	0	4	4 $\frac{1}{2}$			
Grey post ...	0	1	6 $\frac{1}{2}$			
Carried forward	3	5	9	74	3	6

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	5	9	74	3	6
Whin ...	0	2	10 $\frac{1}{2}$			
Soft metal parting ...	0	0	1 $\frac{1}{2}$			
Hard grey post ...	0	0	1			
Mild post ...	0	0	5			
Hard post ...	0	0	6			
Grey metal ...	0	1	2			
White post ...	1	5	6			
Blue metal ...	0	2	7			
Grey post ...	0	2	1			
Soft metal parting ...	0	0	1			
Grey post ...	0	3	3			
Soft parting ...	0	0	1			
Grey post ...	0	1	5			
Black stone, supposed to be mixed with jet and coal ...	0	0	10			
<i>Brockwell Seam—</i>						
		Ft.	In.			
COAL ...	2	8				
Splint ...	0	5				
	<hr/>			0	3	1
						8 5 10
Total ...	...			83	3	4

## No. 1,878.—STELLA AND TOWNELEY.

TOWNSHIP OF RYTON, DURHAM.

Sheet 1 of Ordnance Map. Lat. , Long.

*Boring from Towneley Seam downwards on the East side of Shaft of Emma Pit, bearing N. 72½ E. 820 links. June 3rd, 1850.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Staple sunk	...	0	4	3			Brought forward				2	4	9
White post	...	0	1	8			Grey post	0	1	6			
Grey post	...	0	0	5			White post	0	1	3			
Mild white post	...	0	0	5			Parting	0	0	2			
Grey post	...	0	1	3			White post	0	1	4			
Parting	...	0	0	2			Parting	0	0	1			
Grey post	...	0	0	5			Post girdle	0	0	2			
Hard post girdle	...	0	0	3			Parting	0	0	2			
Grey metal	...	0	1	11			Post girdle	0	0	3			
Post girdle	...	0	0	3			Whin	0	0	2			
Grey metal	...	0	1	3			Grey post	0	0	4			
Iron girdle	...	0	0	5			Parting	0	0	1½			
Grey metal	...	0	1	9			White post	0	2	9			
Blue metal	...	0	0	10			Parting	0	0	1			
COAL—Hodge Coal	0	1	6				White post	0	0	11			
				2	4	9	Parting	0	0	2			
Carried forward	2	4	9				Carried forward	1	3	5½	2	4	9

## No. 1,878.—STELLA AND TOWNELEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	3	5½	2	4	9	Brought forward	4	2	5	2	4	9
Post ...	0	2	4				Soft parting ...	0	0	5			
Parting ...	0	0	2				White post ...	0	1	10			
Post ...	0	1	9				Parting ...	0	0	3½			
Parting ...	0	0	1				White post ...	0	1	2			
Post ...	0	2	2½				Parting ...	0	0	3½			
Parting ...	0	0	2				White post ...	0	0	7			
Post ...	0	2	3				Parting ...	0	0	1½			
Parting ...	0	0	1				White post ...	0	0	4			
Post ...	1	0	8				<b>COAL</b> — <i>Tilly Seam</i>	0	2	3			
Soft parting ...	0	0	4								5	3	8½
White post ...	0	0	11				Thill ...				0	0	6
Carried forward	4	2	5	2	4	9	Total ...				8	2	11½
Rise of seam to where trouble was got ...								Fs.	Ft.	In.			
Throw or rise of trouble ...								2	0	11			
								6	0	6			
											8	1	5
Descent to borehole ...								0	0	4½			
Total rise from shaft ...								8	1	0½			

## No. 1,879.—STELLA AND TOWNELEY.

## TOWNSHIP OF STELLA, DURHAM.

Sheet 2 of Ordnance Map. Lat. , Long.

*Mr. Cowen's Freehold Pit.—Boring Account at Path Head in the Dean opposite  
Mr. Cowen's Water Mill. August 9th, 1852.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Bog moss ...	1	0	0				Brought forward	19	2	0			
Blue clay ...	0	1	0										
Sand ...	0	1	5				<b>COAL</b> ...		Ft.	In.			
Blue clay ...	1	0	2				Seggar clay band	0	9				
Tumbling whin stone	0	1	3				<b>COAL</b> ...	0	7				
Blue clay ...	0	5	2								0	3	4
Blue clay ...	3	4	0								19	5	4
Blue mixed clay ...	9	2	0				Fire clay ...	0	3	0			
Brown shivery free- stone ...	2	3	0				Grey metal, with post girdles ...	3	1	2			
Post ...	0	2	0				Open; old waste— <i>Five-Quarter</i> (?)...	0	2	0			
Carried forward	19	2	0								4	0	2
							Total ...				23	5	6

## No. 1,880.—STELLA AND TOWNELEY.

TOWNSHIP OF STELLA, DURHAM.

Sheet 2 of Ordnance Map. Lat.

, Long.

*Boring by the Railway Side, opposite the South-west corner of Stella Park Wall, below Path Head, by J. Smith. Begun November, 1852; finished January 10th, 1853.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Strong blue clay, with tumbling stones ...	6	3	6				Brought forward	0	3	5	20	4	6
Fine loamy sand ...	0	1	2				Ironstone or whin ...						
Clay, boxes up to this point (Nov. 20th)...	3	3	11				<b>COAL</b> (water got at through coal) ...	0	0	9			
<b>COAL</b> ...	0	1	0								0	4	2
				10	3	7	Seggar clay ...	0	0	10			
Blue clay ...	0	6	0				Blue stone ...	0	4	0			
Soft post ...	0	1	0				Ironstone or whin ...	0	0	4			
Blue stone ...	0	4	7				<b>COAL</b> , very strong (Dec. 16th) ...	2	6				
Yellow post ...	0	4	8				Black stone ...	0	8				
<b>COAL</b> ...	0	0	7							0	3	2	
				2	4	10	Seggar clay ...	0	0	8			
Seggar clay ...	0	1	6				Hard grey post ...	0	0	8			
Blue stone ...	0	3	8				Blue stone ...	0	2	7			
<b>COAL</b> ...	0	0	4										
				0	5	6	<b>COAL</b> ...						
Seggar clay ...	0	0	6				Seggar clay band	0	2				
Blue stone ...	0	2	3				<b>COAL</b> ...	0	4				
Old waste— <i>Old Five-Quarter</i> (?) ...	0	5	3							0	2	10	
				1	2	0	Seggar clay ...	0	3	2			
Seggar clay ...	0	4	0				White post ...	0	4	0			
Hard post ...	0	0	6				Blue stone ...	2	1	6			
Blue stone (Dec. 2nd)	0	4	2				White post ...	0	0	10			
Grey post ...	0	4	9				Soft parting, with water ...	0	0	2			
Blue stone, mixed with girdles ...	2	1	1				White post ...	0	1	2			
							Soft parting ...	0	0	3			
<b>COAL</b> ...	1	0					White post ...	1	2	7			
Band ...	0	1					Blue stone ...	1	4	7			
<b>COAL</b> ...	3	0					<b>COAL</b> ( <i>supposed Five-Quarter Seam</i> )	0	4	1			
				0	4	1					7	4	4
				5	0	7	Total ...				31	4	1
Seggar clay ...	0	2	1										
Blue stone ...	0	1	4										
Carried forward	0	3	5	20	4	6							



## No. 1,881.—STELLA AND TOWNELEY.

TOWNSHIP OF STELLA, DURHAM.

Sheet 2 of Ordnance Map. Lat. , Long.

*Boring Account at Smith's Shop, Stella Staith, by J. Smith. Begun January, 1853.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sand and gravel ...	1	3	0				Brought forward				14	4	2
Blue clay ...	0	3	0				Seggar clay ...	0	2	6			
Sand ...	0	1	0				Blue metal stone ...	0	0	10			
Blue clay, with tum- bling stones ...	9	0	0				<b>COAL</b> ...	0	0	2			
Yellow post ...	1	2	0								0	3	6
Blue metal stone ...	1	1	0				Seggar clay ...	0	2	0			
Hard post ...	0	0	8				White post ...	0	1	4			
Whin ...	0	0	6								0	3	4
Blue metal stone ...	0	0	10										
<b>COAL</b> ...	0	4	2										
				14	4	2							
Carried forward				14	4	2	Total ...				15	5	0

## No. 1,882.—STELLA AND TOWNELEY.

TOWNSHIP OF RYTON, DURHAM.

Sheet 1 of Ordnance Map. Lat. 54° 57' 58", Long. 1° 45' 13".

*An Account of the Strata passed through in a Staple sunk from the Towneley Seam, about 360 yards North-West from Stargate Pit. September, 1853.*

Approximate surface level 320 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Thill ...	0	3	0				Brought forward	5	0	5½	3	1	0½
Blue and grey metal	1	2	0				Ft. In.						
Grey post ...	0	4	1				<b>COAL</b> , mixed						
White post ...	0	2	8½				with danty						
<b>COAL—Hodge Coal</b>	0	1	3				bands ...	0	10½				
				3	1	0½	Hard stone band	0	0½				
Thill ...	0	3	7½				<b>COAL</b> , good..	0	7				
Grey post ...	0	2	0				<b>COAL</b> , coarse,						
White post ...	0	1	0				of a splinty						
Parting ...							nature ...	0	4				
White post ...	0	5	8				<b>COAL</b> , good..	0	5				
Parting ...										0	2	3	
White post ...	0	5	3								5	2	8½
Parting ...							Into fire clay thill.						
White post ...	2	0	11										
Carried forward	5	0	5½	3	1	0½	Total ...				8	3	9

## No. 1,883.—STELLA AND TOWNELEY.

TOWNSHIP OF RYTON, DURHAM.

Sheet 1 of Ordnance Map. Lat. 54° 58' 50", Long. 1° 46' 40".

*An Account of the Strata met with in a Borehole made near the Falls by the Side of the Newcastle and Carlisle Railway, in Col. Towneley's Property, by the Stella Coal Co. Commenced July 9th, 1863; finished September 25th, 1863.*

Approximate surface level 32 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward				16	4	2
Clay and gravel ...	0	1	0				Seggar clay ...	0	2	10			
Sand and gravel, with water ...	1	1	0				Parting ...	0	0	0½			
Loamy clay ...	0	0	6				Darkish grey post ...	0	3	10½			
Sand and gravel, mixed with clay ...	3	4	6			*	White and grey post ...	0	5	2			
Tumbling stone ...	0	0	11				Parting, with water... ..	0	0	0½			
Sand and gravel ...	1	2	3				Grey post ...	0	0	3			
Tumbling stone ...	0	0	6				Brown post ...	0	4	1			
Sand and gravel ...	3	4	0				Post ...	0	0	3			
Strong blue clay (July 30th) ...	0	3	0				Blue metal ...	0	0	6			
				11	0	9	Brown post, with girdles ...	0	2	5			
Shivery post ...	0	1	6				Blue metal ...	0	2	5½			
Grey metal ...	0	3	8				Post ...	0	0	1½			
Brown post, with water ...	0	0	10½				Blue metal ...	0	2	8½			
Blue metal and post girdles ...	0	1	3				Post ...	0	0	9			
Brown post ...	0	5	6½				Grey metal ...	0	2	0			
Blue metal ...	0	0	2				Grey metal, with post girdles ...	1	2	4½			
Brown post ...	1	0	7½				Blue metal ...	0	2	4			
Blue metal ...	0	0	4				Post girdle ...	0	0	2			
Brown post ...	0	2	6½				Blue metal ...	1	0	2½			
Grey post ...	0	0	10				Post girdle ...	0	0	5			
Blue metal ...	0	0	1				Blue metal ...	1	0	0			
Grey post ...	0	0	7				Grey metal ...	0	1	6½			
Blue metal ...	0	0	3				COAL (August 6th) ...	0	0	6			
Grey post ...	0	0	6								8	5	0½
Blue metal ...	0	0	7				Grey metal ...	1	1	2½			
Blue metal ...	0	0	6				Whin ...	0	0	7			
Blue metal ...	0	0	7				Grey metal ...	0	1	5			
Brown post ...	0	4	2				COAL (August 7th) ...	0	1	5			
											1	4	7½
<i>Supposed Ruler Seam—</i>							Grey metal ...	0	1	1½			
COAL ...	1	0					Blue metal and coal pipes ...	0	0	8½			
Band ...	0	4					Blue metal and post girdles ...	0	3	9½			
COAL ...	2	7					Grey metal ...	0	0	4½			
				0	3	11	Brown post ...	0	1	5½			
							Blue metal ...	0	0	4			
Carried forward	16	4	2				Carried forward	1	1	9½	27	1	10

\* Approximate sea level (Ordnance datum).

## No. 1,883.—STELLA AND TOWNELEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	1	9½	27	1	10
Grey metal ...	0	1	8½			
Grey post ...	0	3	2½			
Grey metal ...	0	0	1½			
Grey post ...	0	3	0			
Blue metal ...	0	3	8			
<i>Supposed Towreley</i>						
<i>Seam</i>	Ft.	In.				
COAL (Aug. 11th, 1863)	0	3				
Band ...	0	2				
COAL ...	0	6				
Band ...	0	0½				
COAL ...	2	11½				
	0	3	11			
				3	5	5
Seggar clay ...	0	3	8			
Grey metal ...	0	1	11½			
Grey post and part-ings ...	1	0	5½			
Grey post and part-ings ...	1	2	8			
Grey post and part-ings ...	0	2	3½			
COAL (August 17th) — <i>Supposed Hodge</i>						
<i>Seam</i> ...	0	1	10			
				4	0	10½
Seggar clay ...	0	1	11½			
Grey metal ...	0	3	4½			
Grey post and partings	1	4	1			
COAL ( <i>supposed Tilly Seam</i> )	0	1	11			
				2	5	4
Seggar clay ...	0	1	7			
Grey post ...	0	1	3½			
Mild grey metal, with water ...	1	5	1			
Grey metal and coal pipes ...	0	2	11			
Grey post ...	0	1	4			
Grey metal ...	0	1	8½			
COAL ( <i>supposed Hand Coal</i> )	0	0	1			
				3	2	0
Blue metal ...	0	1	11½			
Grey post ...	0	5	10½			
Blue metal ...	0	0	2			
Grey post ...	0	4	11			
Grey metal ...	0	5	6			
COAL ( <i>supposed Stone Coal</i> )	0	2	6			
				3	2	11
Seggar clay ...	0	0	6			
Grey post ...	0	1	2			
Carried forward	0	1	8 45	0	4½	

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	0	1	8 45	0	4½	
Blue metal, with coal pipes ...	0	0	4			
Seggar clay ...	0	1	11½			
Grey post ...	0	0	9			
Grey metal ...	0	1	5½			
Grey post ...	0	0	6½			
White post ...	0	1	5			
Grey post ...	0	2	6			
Blue metal ...	0	2	3			
Parting ...	0	0	2			
Grey post ...	0	0	5½			
Grey metal ...	0	1	2			
Grey post ...	0	0	5			
Blue metal ...	0	4	2			
COAL ( <i>supposed 5¼</i> Seam)	0	3	6			
				3	4	9
Seggar clay ...	0	0	6			
COAL ...	0	0	3			
Seggar clay ...	0	2	1			
Post ...	0	0	2½			
Metal parting ...	0	0	3½			
Strong grey metal ...	0	2	3			
Blue metal ...	0	1	1			
Post ...	0	0	8			
Blue metal ...	0	0	10			
Strong grey post ...	0	0	10½			
White post ...	0	4	7			
Metal ...	0	0	2			
Grey metal ...	0	0	9			
Blue metal ...	0	1	1½			
White post ...	0	1	6			
Whin (took 7-8 hours to bore through it)	0	2	0			
Strong white post ...	0	3	8			
Blue metal ...						
Grey post and water	0	0	7			
Grey metal ...	0	2	9			
Blue metal and post girdles ...	0	5	9½			
Grey metal ...	0	1	3½			
Blue metal and post	0	2	4½			
COAL ( <i>supposed 3¼</i> Seam)	0	1	6			
				6	1	1½
Seggar clay ...	0	1	2			
Post ...	0	0	5			
				0	1	7
Total ...				55	1	10

## No. 1,884.—STELLA AND TOWNELEY.

TOWNSHIP OF RYTON, DURHAM.

Sheet 1 of Ordnance Map. Lat. , Long.

*Account of the Second Hole bored 400 yards below Stargate House, close to the South Side of the Waggonway, by Messrs. Howden, Robson, and Pickering.*

Approximate surface level feet above sea (Ordnance datum).

						Fs.	Ft.	In.	Fs.	Ft.	In.
Gravel and sand	...	...	...	...	...	1	4	0			
Clay	...	...	...	...	...	7	2	0			
Sand	...	...	...	...	...	0	1	0			
Clay	...	...	...	...	...	6	0	0			
Blue stone	...	...	...	...	...	3	0	0			
COAL, supposed to be in south side of the trouble	...	...	...	...	...	0	3	6			
									18	4	6
Total	...	...	...	...	...				18	4	6

Trouble downcast 90 fathoms to north.

## No. 1,885.—STELLA AND TOWNELEY.

TOWNSHIP OF STELLA, DURHAM.

Sheet 2 of Ordnance Map. Lat. 54° 58' 23", Long. 1° 44' 5".

*No. 3 Account of a Boring made by the Stella Coal Company in a Field called the Foundry Field, belonging to J. C. Lamb, on the North Side of the Newcastle and Carlisle Railway. Commenced December 16th, finished December 28th, 1863.*

Approximate surface level 20 feet above sea (Ordnance datum).

						Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	...	...	...	...	...	1	0	0			
Loamy clay	...	...	...	...	...	0	4	0			
Sand	...	...	...	...	...	0	3	10			
Gravel	...	...	...	...	...	0	4	0			
Sand and gravel...	}	0	2	2							
		0	3	0	*						
Clay and gravel	...	0	3	8							
Clay, mixed with sand	...	0	4	10							
Clay and gravel	...	0	0	11							
Tumbling stone	...	0	0	7							
Soft parting	...	0	0	1							
Tumbling stone	...	0	0	6							
Clay and gravel	...	0	0	9							
Loamy clay	...	0	2	9							
Clay (Dec. 19th, 1863; the props were put in 22 feet)...	...	0	2	7							
Carried forward		6	3	8							
Brought forward		6	3	8							
Soft grey freestone	...	0	2	9							
Soft grey post	...	0	5	3							
COAL (Dec. 21st.)	...	0	0	6							
									8	0	2
Seggar clay, &c.	...	1	2	6½							
Grey metal	...	0	1	8½							
Grey metal	...	0	1	2							
Strong grey post	...	0	1	0							
Blue metal	...	0	1	5							
Dark metal	...	1	1	10							
Post girdle	...	0	0	1½							
Dark blue metal	...	0	1	10½							
Post	...	0	0	9							
Blue metal	...	0	2	7½							
Post	...	0	0	10							
Carried forward		4	3	10½					8	0	2

\* Approximate sea level (Ordnance datum).



## No. 1,885.—STELLA AND TOWNELEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	4	3	10½	8	0	2	Brought forward	1	5	1½	13	4	1½
Grey metal ...	0	2	5				Blue metal ...	0	0	3			
<b>COAL</b> — <i>Towneley</i>							Grey post ...	0	3	0½			
<i>Seam</i> (Dec. 24th)...	0	3	8				<b>COAL</b> — <i>Hodge Seam</i>						
				5	3	11½	(Dec. 28th) ...	0	1	6			
Seggar clay ...	0	3	5								2	3	11
Blue metal ...	0	1	7½				Seggar clay ...	0	2	0			
Grey metal ...	0	1	7				Post ...	0	0	2			
Grey post ...	0	4	6								0	2	2
Carried forward	1	5	1½	13	4	1½	Total ...				16	4	2½

## No. 1,886.—STELLA AND TOWNELEY.

TOWNSHIP OF STELLA, DURHAM.

Sheet 2 of Ordnance Map. Lat. , Long.

No. 4 Boring made by the Stella Coal Company, on the South Side of the Newcastle and Carlisle Railway, opposite Hedgesfield, in Col. Towneley's Ground, 54 yards East of the Old Water Pit. Commenced December 28th, 1863; finished January 4th, 1864.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	2	0				Brought forward	2	0	6	4	3	4
Loamy clay ...	1	2	0				Blue metal ...	0	0	6			
Sand and gravel ...	0	5	9				Grey post ...	0	0	2			
Clay and gravel ...	0	1	3				Grey metal ...	0	1	8			
Gravel ...	0	1	0				Dark grey post, with						
Clay and sand ...	0	0	8				partings ...	0	3	10			
Clay ...	0	0	7				Dark blue metal ...	0	1	0			
				3	1	3	Dark blue metal ...	0	3	6			
Small pipes put in 22							Post girdle ...	0	0	2			
feet.							Dark blue metal ...	0	1	1			
Soft grey post ...	0	4	8				Blue metal ...	0	0	7			
Grey post ...	0	3	0				Mild grey post ...	0	1	7			
<b>COAL</b> ..	0	0	5				Blue metal ...	0	1	5			
				1	2	1	Grey post ...	0	1	4			
Seggar clay ...	0	0	7				Blue metal ...	0	2	8			
Blue metal ...	0	0	4				<b>COAL</b> — <i>Towneley</i>						
Blue metal ...	0	2	2				<i>Seam</i> ...	0	4	0			
Grey post ...	0	1	2								6	0	0
Grey metal ...	0	1	9				Seggar clay ...	0	0	4			
Mild grey post ...	0	1	8				Seggar clay ...	0	1	7			
Strong grey post ...	0	2	11				Blue metal ...	0	1	10			
Blue metal ...	0	0	6				Blue metal ...	0	1	0			
Mild grey post ...	0	1	5								0	4	9
Carried forward	2	0	6	4	3	4	Total ...				11	2	1

No. 5 Boring, made to see depth to Stone Head, 10 yards south of No. 4 Borehole. January 9th, 1864.

	Fs.	Ft.	In.
Loamy clay ...	2	2	0
Stone.			

## No. 1,886.—STELLA AND TOWNELEY.—CONTINUED.

*No. 6 Boring, 16 yards East from No. 5.*

						Fs.	Ft.	In.
Loamy clay	...	...	...	...	...	2	2	6
Stone.								

*No. 7 Boring, 22 yards South from No. 6 Borehole. January 14th, 1864.*

						Fs.	Ft.	In.
Loamy clay	...	...	...	...	...	2	0	6
Stone.								

The last four trials were made for the purpose of deciding the proper place for a pit, and to ascertain the foundation for engine houses.

*Holburn Dene.—Section of a Seam which outcrops at the level of the Brook in the Drift into the Shaft, where Mr. Weeks has his Water-wheel. January 14th, 1864.*

						Fs.	Ft.	In.	Fs.	Ft.	In.
Post roof.											
COAL	...	...	...	...	...	0	0	6½			
Band	...	...	...	...	...	0	0	3			
COAL	...	...	...	...	...	0	0	8½			
Band	...	...	...	...	...	0	0	1			
COAL	...	...	...	...	...	0	1	3			
COAL, coarse	...	...	...	...	...	0	0	4			
Band	...	...	...	...	...	0	0	4			
COAL	...	...	...	...	...	0	0	8			
Band	...	...	...	...	...	0	0	6			
COAL	...	...	...	...	...	0	0	3½			
Seggar clay.											
									0	4	11½
Total	...	...	...	...	...				0	4	11½

The above seam is below the level of the top of the Emma Pit and distant from it.

## No. 1,887.—STELLA AND TOWNELEY.

## TOWNSHIP OF STELLA, DURHAM.

Sheet 2 of Ordnance Map.      Lat.      , Long.

*No. 5 Hole, in the same Field as No. 4.*

Approximate surface level      feet above sea (Ordnance datum).

						Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and gravel	...	...	...	...	...	0	4	0			
Clay, mixed with sand	...	...	...	...	...	0	2	0			
Sand, with water	...	...	...	...	...	0	1	0			
Clay and sand	...	...	...	...	...	1	2	0			
Sand	...	...	...	...	...	0	3	0			
Clay	...	...	...	...	...	6	3	8			
Left off in sand	...	...	...	...	...	0	5	4			
									10	3	0
Total	...	...	...	...	...				10	3	0

## No. 1,888.—STELLA AND TOWNELEY.

TOWNSHIP OF RYTON, DURHAM.

Sheet 2 of Ordnance Map. Lat. 54° 58' 23", Long. 1° 44' 14".

*Account of Strata passed through in the sinking of the Addison Pit, at Hedgefield.  
First sod cut January 26th, 1864; sinking commenced February 1st;  
finished January 26th, 1865.*

Approximate surface level 25 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
From sole of cage frame to original surface ...	1	2	8			
Loamy soil and clay ..	2	3	0			
Shale ...	0	1	4			
	0	4	8			
Whin ...	0	2	7			
Strong jointy post ...	1	5	1			
COAL ...	0	0	4			
Grey metal ...	1	1	0			
Blue metal and post girdles ...	4	2	6			

## Towneley Seam—

	Ft.	In.
COAL, top	0	7
Band	0	1
COAL	5	4

(At one side of the  
pit the seam was 4 ft.  
2 in.; the extra height  
is owing to a small  
fault.)

Fire clay ...	0	4	0
Grey post, with blue metal partings ...	1	5	0
COAL—Hodge Seam	0	1	6

Seggar clay ...	0	2	0
Grey metal and post girdles ...	0	5	0
Blue metal and post girdles ...	1	1	6
Grey metal and post girdles ...	0	1	3
Strong white post ...	1	3	6

## Tilly Seam—

	Ft.	In.
COAL	1	8½
Band	0	1½
COAL	0	10

(Feeder 66 gallons per minute.)	4	3	11
------------------------------------	---	---	----

Carried forward 21 1 7

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	21	1	7			
Fire clay ...	0	1	8			
COAL ...	0	0	4			
Grey metal ...	0	3	10			
Blue metal ...	0	4	3			
Post girdles ...	0	1	0			
COAL ...	0	0	7			
Seggar and blue metal	0	2	4			
Post (feeder 176 galls.)	0	2	2			
Blue metal ...	0	4	7			
COAL ...	0	0	3			
Blue metal ...	0	4	6			

## Stone Coal—

	Ft.	In.
COAL	3	0
Band	0	0½
COAL	0	5½

(Feeder 154 gallons)	4	5	0
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Seggar clay ...	0	1	6
Grey metal ...	0	4	6
Blue metal ...	0	3	0
Grey metal and post girdles ...	1	0	4½
Blue metal and post girdles ...	0	5	5
Blue metal ...	1	1	0

	Ft.	In.
COAL	0	8½
Band	0	1½
COAL, good	2	5
COAL, good	0	9¾

(Feeder 66 gallons per minute.)	5	1	10
------------------------------------	---	---	----

	Ft.	In.
Black shale or cannel coal..	0	8
Band ...	0	3
Black shale ...	1	9
	—	0 2 8

Black shale or cannel coal...	0	8
Band ...	0	3
Black shale ...	1	9

Carried forward 33 3 0

## No. 1,888.—STELLA AND TOWNELEY.—CONTINUED.

Brought forward				Fs.	Ft.	In.	Fs.	Ft.	In.
				33	3	0			
Black stone	...	...	0	0	11				
Blue metal	...	...	0	0	6				
Whin post	...	...	0	1	10				
Blue metal	...	...	0	1	2				
<i>Three-Quarter Seam—</i>									
COAL	...	Ft.	In.						
	...	2	0						
Band	...	0	4½						
COAL	...	0	6						
Band	...	0	3						
				0	3	1½			
							1	1	6½
Seggar clay	...	...	0	1	6				
Grey metal	...	...	0	2	2				
Blue metal and iron									
girdles	...	...	1	3	5				
Seggar clay	...	...	0	1	0				
Grey metal and post									
girdle	...	...	0	5	2				
Grey post	...	...	0	4	9				
<i>Carried forward</i>							4	0	0
							34	4	6½

Brought forward				Fs.	Ft.	In.	Fs.	Ft.	In.
				4	0	0	34	4	6½
Blue metal	...	...	0	2	2				
Grey metal	...	...	0	4	5				
White post and metal									
partings	...	...	3	4	10				
Blue metal	...	...	0	2	8				
COAL	...	...	0	0	2				
Blue metal	...	...	0	0	8				
<i>Brockwell Seam—</i>									
COAL	...	Ft.	In.						
	...	3	4						
Splint	...	0	5						
							0	3	9
							10 0 8		
Seggar clay	...	...	0	1	10				
Grey metal and girdles									
Blue metal	...	...	0	2	3				
COAL	...	...	0	0	6				
Grey metal and post									
girdles	...	...	1	1	6				
							2 4 2		
<i>Total</i>							...	...	47 3 4½

\* Approximate sea level (Ordnance datum).

## No. 1,889.—STELLA AND TOWNELEY.

TOWNSHIP OF RYTON, DURHAM.

Sheet 2 of Ordnance Map. Lat. 54° 58' 14", Long. 1° 44' 42".

Section of Strata sunk through in Staple between Five-Quarter Seam and Brockwell Seam. Bearing, 28 chains 57 links S. 85½ W. from Addison Pit.

Approximate level 195 feet above sea (Ordnance datum).

		Fs.	Ft.	In.	Fs.	Ft.	In.			Fs.	Ft.	In.	Fs.	Ft.	In.	
Seggar clay ...	...	0	2	0				Brought forward					3	1	3	
Grey post stone	...	0	2	4½				Grey metal stone ...	...	0	2	0				
COAL	...	0	0	6				Hard white post ...	...	0	3	5				
					0	4	10½	Whin and post ...	...	0	3	0				
Grey post ...	...	0	2	10½				Blue metal, with iron								
Black stone ...	...	0	2	10½				girdles ...	...	1	2	0				
Strong white post	...	0	3	7½				Post, with blue metal								
Blue metal stone	...	0	2	5				partings ...	...	3	2	6				
Three-Quarter Seam—								Hard brown whin ...	...	0	2	0				
	Ft.	In.						Post, with blue metal								
COAL, top	1	7						partings ...	...	0	4	0				
Band ...	0	4						Blue metal stone	...	0	3	0				
COAL	0	8						COAL	...	0	0	4				
			0	2	7			Blue metal stone	...	0	5	8				
						2	2	4½						8	3	11
Carried forward						3	1	3	Total	...	...		*11	5	2	

\* Approximate sea level 124 feet below this.



## No. 1,890.—STICKLEY.

TOWNSHIP OF \_\_\_\_\_, DURHAM.

Sheet of Ordnance Map. Lat. \_\_\_\_\_, Long. \_\_\_\_\_

*Bored at Stickley, in the Staple supposed nearly four fathoms from the surface to the box. Finished June 2nd, 1743.*

Approximate surface level \_\_\_\_\_ feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Box ... ..	2	3	0				Brought forward	5	3	0	20	4	7
Grey post ... ..	0	3	0				White and grey post	1	5	0			
Grey and black scamy metal, with catheads	0	4	0				Grey metal stone, with white post girdles..	4	0	0			
<b>COAL</b> , hard foul, with water ...	0	2	0				White whin ... ..	0	1	0			
				4	0	0	Strong white post girdles, with metal partings ... ..	3	3	0			
Grey metal ... ..	0	3	0				Open white and black scamy stone, with water ... ..	0	1	6			
Grey metal stone, with brown post girdles..	2	0	0				White and grey scamy post, with water ...	3	0	0			
Brown post ... ..	3	3	0				White and grey post	2	0	0			
Black metal, scared with coal ... ..	0	0	4				Whin girdles ... ..	0	2	0			
Grey metal, with catheads ... ..	1	0	0				White grey post ...	0	3	0			
Black and grey metal	0	1	6				Black parting, mixed with coal ... ..	0	0	4			
Grey post ... ..	0	3	0								21	0	10
Grey metal stone, with post girdles and water ... ..	1	3	0				Grey metal, with girdles ... ..	0	1	6			
White post, mixed with whin ... ..	0	3	6				White scamy post ...	0	3	0			
Blue metal, with catheads ... ..	1	0	0				Grey metal stone ...	2	3	0			
<b>COAL</b> , mixed with black slaty metal ...	0	1	0	11	0	4	White and grey post, with water ...	1	3	0			
Grey metal ... ..	0	1	6				Grey and white metal stone, with water...	2	0	0			
Whin ... ..	0	0	10				Black metal, with girdles or catheads ...	0	2	0			
Grey and black metal, with catheads ...	2	1	0				<b>COAL</b> ... ..	0	0	8			
Black metal, with girdles or catheads	2	0	0				Black metal, scared with coal ... ..	0	0	4			
<b>COAL</b> ... ..	0	1	0	4	4	4					7	1	6
Grey and black metal	0	2	6				Blue metal ... ..	0	1	0			
<b>COAL</b> ... ..	0	0	6				Grey metal stone ...	0	4	0			
Hard brown and grey metal, mixed with coal ... ..	0	0	6				White post ... ..	1	0	0			
<b>COAL</b> ... ..	0	1	4				Whin girdle ... ..	0	0	8			
Brown metal, mixed with brass ... ..	0	0	2				Blue metal ... ..	0	1	0			
<b>COAL</b> , with water...	0	0	11	0	5	11	Grey scamy post ...	0	3	0			
Grey and white metal	0	2	0				Blue and black scamy metal, with catheads	0	3	0			
Blue metal, scared with coal ... ..	0	1	0				Black slaty metal ...	0	1	0			
White metal ... ..	1	0	0				Black metal, mixed with coal ... ..	0	1	0			
Grey metal stone, with white post girdles...	4	0	0								3	2	8
Carried forward	5	3	0	20	4	7	Grey and blue metal...	3	0	0			
							White and grey metal, mixed with coal ...	0	0	8			
							In white post girdles, mixed with whin...	0	5	2			
											3	5	10
							Total ... ..				56	3	5

## No. 1,891.—STOBSWOOD.

TOWNSHIP OF STOBSWOOD, NORTHUMBERLAND.

Sheet 55 of Ordnance Map. Lat. 55° 14' 47", Long. 1° 37' 40".

*Account of Strata sunk through at Stobswood Colliery.*

Approximate surface level 160 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.			
Soil and clay...	0	1	9				Brought forward				28	5	1			
Blue metal and clay...	1	1	0				Seggar clay ...	0	2	0						
Blue metal ...	1	4	8				Grey metal and post									
Strong post girdles ...	0	1	7				girdles ...	0	4	0						
Blue metal ...	0	2	6				Black stone ...	0	3	0						
Soft grey post ...	0	5	0													
Blue metal ...	0	3	0				<b>COAL</b> ...	Ft. In.								
<b>COAL</b> ...	0	0	8				Band ...	2	0							
				5	2	2	<b>COAL</b> ...	0	4							
								1	2							
Seggar clay ...	0	2	0							0	3	6				
Blue metal ...	2	5	0										2	0	6	
Grey post and whin							Grey metal and post									
stone ...	2	1	8				girdles ...	2	0	0						
Grey metal ...	2	0	0				Whin stone ...	0	2	6						
Blue metal ...	2	0	0				White post ...	1	1	4						
White post ...	1	3	3				<b>COAL</b> ...	0	0	3						
<b>COAL</b> ...	0	0	3				Seggar clay ...	0	1	2						
Seggar clay ...	0	2	5				Grey metal and post									
Grey metal ...	0	3	0				girdles ...	0	3	0						
<b>COAL</b> ...	0	1	2				<b>COAL</b> ...	0	0	7						
				12	0	9								4	2	10
Seggar clay ...	0	2	2				Seggar clay ...	0	0	8						
Grey metal and post							Grey metal ...	1	1	0						
girdles ...	2	2	9				Blue metal ...	0	5	6						
<b>COAL</b> ...	0	2	1				Black stone ...	0	0	2						
				3	1	0	<b>COAL</b> ...	0	2	0						
Blue metal ...	1	1	10											2	3	4
<b>COAL</b> ...	0	1	5				Seggar clay ...	0	2	8						
				1	3	3	<b>COAL</b> ...	0	0	4						
Seggar clay ...	0	1	6				Seggar clay ...	0	1	0						
Grey metal and post							<b>COAL</b> ...	0	0	2						
girdles ...	1	2	2				Whin stone ...	0	0	7						
<b>COAL</b> ...	0	0	8				Grey metal ...	1	1	5						
Seggar clay ...	0	2	6				Blue metal ...	1	2	8						
Grey metal ...	0	3	6													
Whin stone ...	0	1	2													
Grey post ...	1	1	10				<b>COAL</b> ...	Ft. In.								
Whin stone ...	0	1	6				Band ...	1	8							
							<b>COAL</b> ...	4	0							
White post ...	1	5	0							1	1	5				
<b>COAL</b> ...	0	1	7											4	4	3
				6	3	11										
Carried forward	28	5	1				Total ...							42	4	0

\* (Approximate sea level Ordnance datum).

## No. 1,892.—STONE BRIDGE.

TOWNSHIP OF ELVET, DURHAM.

Sheet 26 of Ordnance Map. Lat. , Long.

*Bored at the Stone Bridge, near Durham. 1740.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brown soil ...	0	1	0				Brought forward	9	4	0			
Channel ...	0	2	6				Open broken grey post, with water ...	1	1	3			
Brown stony clay ...	1	0	0				Brown and grey post, with brown and black partings ...	2	0	0			
Soft sandy clay ...	0	4	0				<b>COAL</b> , soft danty ...	0	2	3			
Black stony clay ...	1	1	6				Grey and brown metal	0	1	8			
Sand and sandy clay, with water ...	0	3	0								13	3	2
Black stony clay ...	3	2	0										
Soft brown post, with red and brown scamy partings ...	2	2	0										
Carried forward	9	4	0				Total ...				13	3	2

## No. 1,893.—STONE BRIDGE.

TOWNSHIP OF ELVET, DURHAM.

Sheet 26 of Ordnance Map. Lat. , Long.

*Second Hole at the same place.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and channel ...	0	1	6				Brought forward	11	3	0			
Soft sandy clay ...	0	4	0				Brown and grey post, with scamy partings	2	5	0			
Soft sandy clay and channel, with water	0	2	0				Brown and grey post, with scamy partings and water ...	0	4	0			
Soft sandy clay ...	1	1	6				Soft brown and grey post, with scamy partings ...	2	3	0			
Strong stony clay ...	4	4	0				<b>COAL</b> ...	0	2	1			
Soft black and grey metal ...	1	5	0				Brown and grey metal	0	0	7			
Black metal, brown and grey scames ...	2	0	0								17	5	8
Brown and grey metal stone ...	0	3	0										
Carried forward	11	3	0				Total ...				17	5	8

## No. 1,894.—STOREY LODGE.

TOWNSHIP OF EVENWOOD, DURHAM.

Sheet 41 of Ordnance Map.      Lat.      , Long.

*An Account of Boring by G. Rawling Maddison on the South Side of Gaunless, above Evenwood, about 10 yards on the South Side of Cragg Wood, in Mr. Raw's Pasture, and about 216 yards from the Drift in the Yard Coal. February 13th, 1833.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	0	9				Brought forward	14	1	6	19	4	6
Brown ramby post and water ...	1	4	0				Mixture of whin and white post ...	1	0	6			
Grey and brown metal	1	3	0				Grey metal stone, with white post girdles and water ...	1	4	4			
Dark metal ...	0	2	0				<i>Five-Quarter Seam—</i>						
<b>COAL</b> , with water, and set away the water ...	0	3	6	4	1	3							
Grey metal ...	0	3	0				<b>COAL</b> ...						
Grey metal stone and whin girdles ...	8	0	9				<b>COAL</b> , hard splint ...						
Brown post, with partings and water ...	2	1	0				<b>COAL</b> , strong coarse ...						
Strong whitish brown post, mixed with whin girdles ...	0	4	0				Dark metal band ...						
Brown post, with partings, and set away the water at 17 fs. 1 ft.; got water near the bottom ...	3	2	6				<b>COAL</b> ...						
Grey metal stone, with post girdles ...	0	3	0				Grey metal, scared with coal ...						
Soft blue metal, with scares of coal ...	0	0	6				<b>COAL</b> ...						
<b>COAL</b> ...	0	0	6	15	3	3							
Strong grey metal stone, with post girdles ...	5	5	0										
Soft dark metal ...	0	1	6				Dark grey metal ...						
Strong black stone ...	0	5	5				Grey metal stone and post girdles ...						
Strong grey metal stone and post girdles ...	1	5	6				Grey metal stone and whin girdles ...						
Brown post ...	0	1	7				Black stone and strong girdles ...						
Strong scared white post and whin girdles	0	3	0				<b>COAL</b> , mixed with metal ...						
Whin mixture, with white post and girdles ...	0	5	6										
Strong white post, with some whin girdles and water ...	3	4	0				Grey metal ...						
Carried forward	14	1	6	19	4	6	Grey metal stone and post girdles ...						
							Grey metal stone and whin girdles ...						
							Strong white post ...						
							Whin girdles ...						
							Grey metal stone and whin girdles ...						
							Softish grey metal ...						
							Carried forward	5	4	0	42	4	0



## No. 1,894.—STOREY LODGE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	5	4	0	42	4	0	Brought forward	49	3	10			
<i>Main Coal Seam—</i>							In grey metal	...	0	0	4		
COAL, hard	Ft.	In.											
splint	...	1	3										
COAL, strong	2	3											
COAL, rather													
tender and													
white ash..	2	8											
Dark band	...	0	2										
COAL, foul													
near top,													
and white													
ash	...	1	6										
				1	1	10							
				6	5	10							
Carried forward				49	3	10	Total	...	...	49	4	2	

## No. 1,895.—STUBLICK.

TOWNSHIP OF WEST QUARTER, NORTHUMBERLAND.

Sheet 93 of Ordnance Map. Lat. , Long.

*Account of the Boring at High Stublick Colliery, about 600 yards to the South-west from the House. April 26th, 1757.*

Approximate surface level . feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Black soil	...	0	1	0			Brought forward	10	1	0	3	3	0
Stony clay, with beds of sandy channel with water	...	3	2	0			Brown and grey post, with water in some places	...	5	3	0		
				3	3	0	COAL	...	0	1	6		
Grey metal stone, with post girdles	...	4	3	0							15	5	6
Brown and grey scamy metal	...	0	1	0			Grey metal and metal stone, with post girdles	...	1	3	0		
Grey metal stone	...	0	2	0			Blue metal, with some small scars of coal	...	0	4	0		
Dun and grey post	...	0	3	0			Grey post	...	0	5	0		
Strong grey post	...	1	1	6			Blue and grey scamy stone, with post girdles	...	0	4	0		
Brown and grey post, with scamy partings and water	...	2	4	6			Grey and white post..	...	2	4	0		
White thready post, and set away the water	...	0	4	0			Blue and grey metal	...	0	1	3		
							COAL	...	0	1	6		
											6	4	9
Carried forward	10	1	0	3	3	0	Carried forward	26	1	3			

## No. 1,895.—STUBLICK.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				26	1	3	Brought forward	2	4	3	26	1	3
Black metal, scared							Black slaty metal,						
with <i>coal</i> ...	0	0	6				mixed with <i>coal</i> ...	0	0	6			
Grey metal ...	0	4	0				Strong grey metal						
Strong white post ...	0	3	0				stone, mixed with						
Blue metal stone ...	0	2	0				<i>coal</i> ...	0	4	6			
Strong white post ...	0	1	9				White post, with water	1	1	6			
Whin ...	0	0	6				Whin ...	0	0	7			
Black and grey slaty											4	5	4
metal, with post													
girdles ...	0	4	6										
Carried forward	2	4	3	26	1	3	Total ...				31	0	7

## No. 1,896.—STUBLICK.

TOWNSHIP OF WEST QUARTER, NORTHUMBERLAND.

Sheet 93 of Ordnance Map. Lat. , Long.

*Second Place bored at High Stublick Colliery, about 60 yards to the N.N.E. from the First Place. June 20th, 1757.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and stony clay ...	1	0	9				Brought forward	9	1	6			
Sand and channel,							Brown and grey post,						
with water ...	0	3	0				with scamy partings						
Blue and stony clay...	0	3	9				and water ...	4	3	6			
Brown and grey scamy							<b>COAL</b> ...	0	1	6			
metal, with girdles											14	0	6
or lumps ...	1	0	0				Grey and blue metal						
Brown post, with							and metal stone,						
scamy partings and							with post girdles ...	3	2	3			
water which rose to							White and grey post...	1	5	8			
the top ...	4	0	0				Blue and grey metal						
Strong white post, with							stone ...	0	4	0			
water ...	0	3	0				Blue metal ...	0	1	6			
Brown and grey scamy							<b>COAL</b> , but rather						
post, with metal							foul near the bottom	0	1	8			
partings near the											6	3	1
bottom ...	1	3	0				Black metal, scared						
Carried forward	9	1	6				with <i>coal</i> ...	0	0	7			
							In grey metal ...	0	2	0			
											0	2	7
							Total ...				21	0	2

## No. 1,897.—STUBLICK.

TOWNSHIP OF WEST QUARTER, NORTHUMBERLAND.

Sheet 25 of Ordnance Map. Lat. , Long.

*Third Place bored at High Stublick Colliery, about 300 yards to the Eastward from the First Place. September 16th, 1757.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Peat moss ...	0	2	0				Brought forward	2	5	1	12	1	10
Brown gravelly clay, mixed with ramble	0	5	6				Strong white post ...	0	0	9			
Brown and grey post, with soft ramble partings and water	2	3	9				Grey metal stone, with black scamy part- ings and a hard girdle or lump ...	0	3	8			
COAL, soft ...	0	0	9				COAL ...	0	0	4			
				4	0	0					3	3	10
Grey metal and metal stone, with post girdles ...	1	0	0				Black grey metal, scared with coal ...	0	1	3			
Soft blue metal with girdles or lumps, with water, and set- tled the top feeders	0	3	0				Grey metal stone ...	1	2	0			
Grey and blue metal, with water...	0	4	0				White post, with water	1	4	6			
Grey post, with scamy partings ...	2	4	3				Grey metal stone ...	1	0	0			
Whin mixture ...	0	4	0				White post ...	0	1	0			
White post ...	0	3	9				COAL ...	0	2	3			
Brown and white post	0	2	3								4	5	0
White post, with water	1	3	4				Grey metal ...	0	1	6			
Jet ...	0	0	1				Strong grey metal stone, with post girdles ...	1	3	0			
COAL, with a small slaty lump or scare bands near the middle ...	0	1	2				White post, with mix- ture whin girdles...	2	4	0			
				8	1	10	White coal pipy post, with black partings and water ...	0	4	6			
Black metal, mixed with coal ...	0	0	3				Grey metal ...	0	4	0			
Blue metal ...	0	3	0				Black metal ...	0	0	4			
Grey metal stone, with post girdles and water ...	1	4	0				COAL ...	0	2	7			
Strong white post, mixed with whin ...	0	3	0								6	1	11
Whin ...	0	0	10				Blue metal ...	0	1	0			
							Blue metal stone, with girdles or lumps ...	1	2	0			
Carried forward	2	5	1	12	1	10					1	3	0
							Total ...				28	3	7

## No. 1,898.—STUBLICK.

TOWNSHIP OF WEST QUARTER, NORTHUMBERLAND.

Sheet 93 of Ordnance Map. Lat. , Long.

*Account of Strata sunk through at Stublick, 5½ miles S.W. of Hexham.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and rubble ...	1	4	0				Brought forward	0	2	0	11	2	5
Grey metal stone, with girdles and water...	3	2	0				<b>COAL</b> ...	0	7				
White and grey gully post (set away the water)...	3	5	0				<b>COAL</b> , foul...	0	3				
<b>COAL</b> ...	0	2	4				Grey metal ...	0	9				
				9	1	4	<b>COAL</b> , with white spar...	0	5				
Grey metal, with girdles ...	1	0	0							0	2	0	
Grey metal ...	1	0	0				Grey metal ...	0	2	0			
<b>COAL</b> ...	0	1	1				Light grey post ...	1	1	1			
				2	1	1	Blue grey metal ...	0	2	0			
Grey metal ...	0	2	0				White post, mixed with whin ...	0	1	0			
							Soft sandy white post	1	1	0			
							Dark grey metal ...	0	5	6			
							<b>COAL</b> , with white scars ...	0	0	2			
										4	0	9	
Carried forward	0	2	0	11	2	5	Total ...			16	1	2	

## No. 1,899.—STUBLICK.

TOWNSHIP OF WEST QUARTER, NORTHUMBERLAND.

Sheet 93 of Ordnance Map. Lat. , Long.

*Section of Stublick Colliery.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...	1	3	0				Brought forward				20	5	9
Calm sill ...	6	5	3				Blue metal ...	0	3	5			
Millstone grit ...	5	3	0				Post ...	0	4	1			
COAL ...	0	0	9				Post girdles ...	0	5	2			
				14	0	0	Post ...	3	5	7			
Thill ...	0	5	2				COAL—Yard Seam	0	2	4			
Grey metal ...	1	5	0								6	2	7
Post ...	4	0	5				Post ...	2	1	0			
COAL—Cannel Coal	0	1	2				Post girdles ...	1	4	0			
				6	5	9	Post ...	0	4	5			
Carried forward				20	5	9	Carried forward	4	3	5	27	2	4



## No. 1,899.—STUBLICK.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	4	3	5	27	2	4	Brought forward				42	4	11
Blue metal ...	0	5	7				Thill ...	0	4	4			
COAL— <i>3/4 Seam</i> ...	0	2	6				Post ...	1	5	6			
				5	5	6	Blue metal and iron- stone ...	3	2	0			
Post ...	0	1	6				COAL— <i>Little Coal</i> ...	0	1	8			
Blue metal ...	3	2	0								6	1	6
COAL— <i>Main Coal</i> ...	0	3	8				Post ...	1	0	6			
				4	1	2	Grey metal ...	1	5	6			
Thill ...	0	3	0				COAL— <i>Stone Coal</i> ...	0	2	0			
Post ...	0	2	8								3	2	0
Whin ...	0	4	6										
Blue post ...	0	2	8										
Metal and iron ...	3	0	0										
COAL— <i>Foot Seam</i> ...	0	1	1										
				5	1	11							
Carried forward				42	4	11	Total ...				52	2	5

## No. 1,900.—SUNNISIDE.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 25 of Ordnance Map. Lat. , Long.

*Strata sunk at Sunnyside Colliery. October 19th, 1846.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward						
Clay ...	1	0	0				Blue metal ...	1	5	10			
Gravel ...	1	4	0				COAL— <i>Top Coal</i> ...	0	2	0			
Blue clay ...	1	3	8								6	3	3
Gravel ...	0	2	0				Thill ...	0	3	10			
Grey metal ...	2	3	7				COAL ..	0	0	11			
Grey post, with water	0	1	0								0	4	9
Grey metal ...	0	2	10				Thill ...	0	5	3			
COAL— <i>Ballarat or</i>							Black stone ...	0	0	3			
<i>Top Busty Seam</i> ...	0	1	10				Blue metal ...	4	2	10			
				8	1	11	Post, with metal part- ings ...	1	0	0			
Thill ...	0	3	10				Dark metal ...	1	1	0			
Grey post ...	0	5	6				<i>Main Coal or Brock- well Seam</i> —						
Grey metal ...	0	5	8										
COAL— <i>5/4 or Bottom</i>													
<i>Busty Seam</i> ...	0	3	10										
				3	0	10							
Thill ...	0	4	5										
Grey metal, with post girdles ...	1	2	0								8	1	4
Grey post, with water	0	4	0								2	0	0
Grey metal ...	1	3	0										
Carried forward	4	1	5	11	2	9	Total ...				29	0	1

## No. 1,901.—SUNNISIDE.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 93 of Ordnance Map. Lat.  $54^{\circ} 44' 56''$ , Long.  $1^{\circ} 46' 15''$ .*Section of Strata sunk through in the New Sunnyside Pit, Pease's West Collieries. 1867.*

Approximate surface level 810 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...	4	2	6				Brought forward	1	3	8	15	0	10
Soft blue metal ...	1	0	5				Hard post ...	2	3	8			
COAL ...	0	1	1				Blue metal ...	2	3	0			
				5	4	0	COAL ...	0	1	1			
Soft blue metal ...	1	0	0								6	5	5
COAL ...	0	0	8				Strong seggar ...	0	3	0			
				1	0	8	Blue metal ...	1	1	7			
Soft metal ...	0	3	2				Mild seggar ...	0	3	2			
COAL, with stone							COAL ...	0	1	8			
band ...	0	3	0								2	3	5
Metal ...	0	1	0				Strong seggar ...	0	5	6			
COAL ...	0	0	10				Strong white post ...	7	1	0			
				1	2	0	Blue metal ...	0	1	0			
Soft metal ...	0	1	4				COAL—Main Coal						
Post ...	0	3	0				Seam ...	0	3	10			
Soft blue metal ...	3	5	0								8	5	4
COAL—Ballarat or							Dark seggar and iron-						
Top Busty Seam ...	0	1	10				stone ...	1	4	0			
				4	5	2	Metal and post girdles	0	3	0			
Blue metal ...	1	4	3				Strong post ...	0	4	6			
COAL—5/4 Seam ...	0	2	9				Dark metal ...	0	2	6			
				2	1	0	Strong post ...	0	4	8			
Seggar ...	1	0	0								4	0	8
Metal ...	0	3	8				Total ...				*37	3	8
Carried forward	1	3	8	15	0	10							

\* Approximate sea level 584 feet 4 inches below this.

## No. 1,902.—SUNNISIDE.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 25 of Ordnance Map. Lat. , Long.

*Account of a Boring upon Sunnyside, near Hedley Hope. July 14th, 1836.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...	3	0	0				Brought forward	6	3	8			
Black stone, with							Grey metal ...	0	4	0			
water ...	1	0	0				COAL ...	0	1	10			
Grey metal ...	0	3	0								7	3	6
White metal ...	1	2	2				Grey thill ...	0	1	8			
Strong white post ...	0	4	6				Strong blue stone ...	3	1	4			
Carried forward	6	3	8				Carried forward	3	3	0	7	3	6

## No. 1,902.—SUNNISIDE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	3	0	7	3	6	Brought forward	0	5	0	27	5	2
Strong post girdle, with water	0	1	6				Strong white post girdles	1	0	0			
Dark metal	2	0	10				Strong blue stone, with water	0	5	0			
COAL	0	0	8	6	0	0	Blue stone	1	2	0			
							Grey metal	0	1	0			
Grey metal, with water	0	2	0				COAL	0	2	0	4	3	0
Shivery post	0	1	6										
Dark grey metal	1	4	10				Grey thill	0	3	10			
Shivery post	0	2	6				COAL, danty	0	2	0	0	5	10
Strong white post	2	2	0										
Shivery post	0	2	8				Grey metal	0	3	9			
Grey metal	0	0	10				Strong white post, with water	6	4	0			
	Ft.	In.					Grey metal	1	3	3			
COAL	3	5					COAL	0	3	2	9	2	2
Band	0	5											
COAL, splint	0	7					Grey metal	2	0	6			
			0	4	5		Shivery post, with water	0	3	0			
						6	2	9	White post, with water	0	1	4	
Thill	0	1	0				Grey metal	0	3	6			
Black stone	0	1	2				Dark post	0	2	8			
Grey metal	0	3	5				Grey whin	0	0	6			
COAL	0	1	1	1	0	8	Shivery post	0	5	6			
							Grey whin	0	1	3			
Grey metal	2	0	0				Dark grey metal	0	3	0			
Grey post	2	0	0				White post	0	2	4			
Black stone	0	0	4				Grey metal	1	4	0			
COAL	0	2	0	4	2	4	Black stone	0	2	5			
							Ironstone	0	0	3			
Grey thill	0	0	6				Black stone	0	1	4			
Black stone	0	1	6				Grey metal	1	3	9			
Grey metal	0	4	0				COAL	0	2	7	10	1	11
Strong post girdles	0	0	9										
Blue stone	0	2	3				Grey thill	0	1	11			
Grey post...	0	1	9				Shivery post	0	3	7			
COAL	0	3	2	2	1	11	Strong white post	0	4	0			
											1	3	6
Black stone	0	1	3										
Grey metal	0	3	9										
Carried forward	0	5	0	27	5	2	Total				54	3	7

## No. 1,903.—SWARLAND.

TOWNSHIP OF SWARLAND, NORTHUMBERLAND.

Sheet 45 of Ordnance Map. Lat. , Long.

*An Account of Strata bored through at Swarland Hall. No. 1 Borehole at bottom of large Cistern. By Edward Wilkinson.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Freestone ...	1	0	6				Brought forward	2	1	10			
Blue clay ...	0	3	7				Hard post ...	0	1	7			
Blue metal ...	0	3	9				Grey metal ...	0	4	4			
Carried forward	2	1	10				Carried forward	3	1	9			

## No. 1,903.—SWARLAND.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	1	9				Brought forward	5	2	2			
Light grey post ...	0	1	8				Hard grey post ...	0	1	0			
Grey metal and post...	0	4	7				Blue metal ...	0	3	10			
White post ...	0	0	9				Hard post ...	2	0	1			
Grey post ...	0	0	8				Blue metal ...	0	0	10			
Blue metal ...	0	3	4								8	1	11
White post ...	0	1	5										
Carried forward	5	2	2				Total ...				8	1	11

## No. 1,904.

## No. 2 Borehole.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay ...	0	1	0			
Loamy sand, with water	0	2	6			
Sand ...	0	5	6			
Blue and black marl...	1	1	0			
Hard post ...	0	3	0			
Blue metal ...	1	0	0			
Soft blue metal ...	0	2	6			
				4	3	6
Total ...				4	3	6

## No. 1,905.

## No. 3 Borehole.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Yellow clay ...	0	2	6			
Sand and water ...	0	3	6			
Clay and stone ...	0	1	7			
Hard freestone ...	0	1	7			
Grey metal ...	0	4	6			
Blue metal ...	0	3	10			
				2	5	6
Total ...				2	5	6

## No. 1,906.

## No. 4 Borehole.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay ...	0	2	0			
Clay ...	0	4	0			
Sand and water ...	0	0	9			
Clay ...	0	3	0			
Large tumbling stones	0	4	8			
				2	2	5
Total ...				2	2	5



## No. 1,907.—SWARLAND.

*No. 5 Borehole.*

						Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...	...	...	...	...	...	1	0	10			
Freestone ...	...	...	...	...	...	0	5	6			
									2	0	4
Total ...	...	...	...	...	...				2	0	4

## No. 1,908.

*Borehole No. 5A.*

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Tumbling stones and sand ...	1	3	0				Brought forward	11	4	0			
Blue and grey metal ...	1	0	0				Blue post ...		0	5	3		
White post ...	0	2	0				Iron girdle ...		0	0	11		
Grey metal ...	1	3	0				Blue metal ...		0	0	6		
Grey post ...	0	5	0				Very hard freestone post ...		0	2	9		
Grey metal ...	0	3	0				Grey post ...		0	4	0		
Blue metal and girdles	1	4	6				Blue metal ...		2	5	1		
White post ...	0	5	3				Whin and water at top (1½ gallons per minute) ...		1	2	0		
Blue metal ...	0	5	3				Blue metal or shale ...		0	1	2		
Yellow sandstone and a little water ...	2	2	0										18 1 8
Blue metal ...	0	1	0										
Carried forward	11	4	0				Total ...						18 1 8

## No. 1,909.

*No. 6 Borehole.*

						Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...	...	...	...	...	...	1	1	0			
Freestone ...	...	...	...	...	...	0	4	6			
									1	5	6
									1	5	6

## No. 1,910.

*No. 7 Borehole.*

								Fs.	Ft.	In.
Clay ...	...	...	...	...	...	...	...	1	0	10

## No. 1,911.

*No. 8 Borehole.*

								Fs.	Ft.	In.
Clay ...	...	...	...	...	...	...	...	1	1	0

## No. 1,912.

*No. 9 Borehole.*

								Fs.	Ft.	In.
Clay ...	...	...	...	...	...	...	...	1	0	4

## No. 1,913.—SWARLAND.

*No. 10 Borehole.*

							Fs.	Ft.	In.	Fs.	Ft.	In.
Clay	...	...	...	...	...	...	0	4	4			
Freestone	...	...	...	...	...	...	0	4	8			
Blue metal	...	...	...	...	...	...	0	2	10			
										1	5	10
										<hr/>		
Total	...	...	...	...	...	...				1	5	10
										<hr/>		

## No. 1,914.

*No. 14 Borehole.*

							Fs.	Ft.	In.	Fs.	Ft.	In.
Loamy sand, with a little water	...	...	...	...	...	...	1	0	0			
Freestone	...	...	...	...	...	...	1	1	0			
Blue metal	...	...	...	...	...	...	0	4	0			
										2	5	0
										<hr/>		
Total	...	...	...	...	...	...				2	5	0
										<hr/>		

## No. 1,915.

*No. 15 Borehole.*

							Fs.	Ft.	In.
Loam and gravel, with a little water	...	...	...	...	...	...	1	4	0

## No. 1,916.

*No. 16 Borehole.*

							Fs.	Ft.	In.	Fs.	Ft.	In.
Clay	...	...	...	...	...	...	0	3	8			
Loamy sand, with a little water	...	...	...	...	...	...	0	5	4			
Freestone	...	...	...	...	...	...	1	0	0			
Blue metal	...	...	...	...	...	...	0	2	10			
										2	5	10
										<hr/>		
Total	...	...	...	...	...	...				2	5	10
										<hr/>		

## No. 1,917.

*No. 17 Borehole.*

							Fs.	Ft.	In.	Fs.	Ft.	In.
Clay	...	...	...	...	...	...	0	2	0			
Loam and tumbling freestone	...	...	...	...	...	...	1	4	0			
										2	0	0
										<hr/>		
Total	...	...	...	...	...	...				2	0	0
										<hr/>		

## No. 1,918.

*No. 18 Borehole.*

							Fs.	Ft.	In.	Fs.	Ft.	In.
Clay	...	...	...	...	...	...	0	3	0			
Loam and tumbling freestone	...	...	...	...	...	...	1	5	2			
										2	2	2
										<hr/>		
Total	...	...	...	...	...	...				2	2	2
										<hr/>		

No. 1,919.—SWARLAND.

TOWNSHIP OF SWARLAND, NORTHUMBERLAND.

Sheet 45 of Ordnance Map. Lat.  $55^{\circ} 19' 25''$ , Long.  $1^{\circ} 45' 1''$ .

*An Account of Strata bored through at Swarland Hall, at the Pond West of Saw Mill.*

Approximate surface level 510 feet above sea (Ordnance datum).

					Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay	...	...	..	...	...	1	4	0		
White freestone	...	...	...	...	...	6	4	0		
Yellow freestone	...	...	...	...	...	1	4	6		
Dark marl stone	...	...	...	...	...	0	2	6		
									10	3 0
Total	...	...	...	...	...			*10	3	0

\* Approximate sea level 447 feet below this.

No. 1,920.—SWINDON.

TOWNSHIP OF HEPPLÉ DEMESNE, NORTHUMBERLAND.

Sheet 43 of Ordnance Map. Lat. , Long.

*Swindon Colliery, near Hepple, six miles West of Rothbury.*

Approximate surface level      feet above sea (Ordnance datum).

		Fs.	Ft.	In.	Fs.	Ft.	In.
Yellow freestone	...	4	0	0			
<b>COAL</b>	...	0	1	0			
					4	1	0
Grey metal stone	...	1	0	0			
Grey freestone	...	0	3	0			
Light blue metal	...	1	0	0			
	Ft. In.						
<b>COAL</b>	...	0	2				
Ironstone or lizard stone	0 8						
<b>COAL</b>	...	0	2				
	—	0	1	0			
					2	4	0
Grey metal	...	0	2	0			
Grey stone	...	0	4	0			
Light blue metal	...	0	3	0			
Ironstone or lizard stone	...	0	2	0			
Carried forward		1	5	0	6	5	0

		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward		1	5	0	6	5	0
Blue metal	...	1	0	0			
White stone	...	0	1	8			
Blue metal	...	0	4	0			
Beddy freestone	...	1	0	0			
Black stone, mixed with coal	...	0	2	0			
	Ft. In.						
<b>COAL</b>	...	0	8				
"Chick stone," very hard	...	0	6				
<b>COAL</b>	...	0	9				
White metal	...	1	0				
<b>COAL</b>	...	0	10				
	—	0	3	9			
					5	4	5
Total	...				12	3	5

## No. 1,921.—TALKIN.

TOWNSHIP OF HAYTON, CUMBERLAND.

Sheet 18 of Ordnance Map. Lat. , Long.

*Sinking Account of the Blackside Pit, Talkin Colliery.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil, clay, etc. ...	2	0	0				Brought forward	24	2	11			
Plate and shale ...	3	0	0				Plate and strong shale	1	4	0			
Strong freestone ...	2	4	0				Freestone ...	3	0	0			
Plate and shale ...	1	0	0				Strong grey plate	2	3	0			
Freestone ...	8	2	4				<b>COAL</b> ..	0	3	3			
Plate and shale ...	3	3	7								32	1	2
Limestone ...	3	5	0										
Carried forward	24	2	11				Total ...				32	1	2

## No. 1,922.—TALKIN.

TOWNSHIP OF HAYTON, CUMBERLAND.

Sheet 18 of Ordnance Map. Lat. , Long.

*Sunk and Bored at the Dove Pit, in Talkin Colliery.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
<i>Sunk :—</i>							Brought forward	10	2	6	13	1	0
Clay, mixed with tumbling stones ...	5	0	0				Brown post ...	0	2	6			
Blue plate ...	1	1	0				Grey post girdles ...	0	3	4			
Brown post girdles ...	0	1	0				Brown post girdles ...	0	5	0			
Blue metal stone ...	6	5	0				Blue metal ...	0	1	0			
				13	1	0	Grey post girdles ...	0	1	6			
<i>Bored :—</i>							Blue plate ...	4	4	8			
Strong dun white post	0	4	0				Limestone, with gullet						
Blue plate ...	3	0	10				lets ...	2	0	0			
Strong dun post ...	0	5	2				Add error ...	0	0	6			
Blue plate ...	1	5	4				Yellow post girdles ...	0	1	6			
Strong brown post ...	0	3	8				<b>COAL</b> ...	0	0	5			
Strong yellow post ...	0	4	1								19	4	11
Cashy parting, 3 ins. brown post, with yellow gullets ...	2	0	8				Grey thill ...	0	1	6			
White post girdles ...	0	2	9				Blue plate ...	1	0	8			
							<b>COAL</b> — <i>Craw Coal</i>	0	0	8			
Carried forward	10	2	6	13	1	0					1	2	10
							Carried forward				34	2	9



## No. 1,922.—TALKIN.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				34	2	9	Brought forward	1	5	9	34	2	9
Blue plate thill ...	0	1	0				Grey plate ...	0	3	0			
Grey plate ...	0	5	0				Blue plate ...	2	3	2			
Blue plate ...	0	1	6				<b>COAL</b> ...	0	3	4			
Grey plate ...	0	2	7								5	3	3
Blue plate ...	0	1	8										
Carried forward	1	5	9	34	2	9	Total ...				40	0	0

## No. 1,923.—TALKIN.

TOWNSHIP OF HAYTON, CUMBERLAND.

Sheet 18 of Ordnance Map. Lat. , Long.

*Section of Strata lying below the Talkin Coal, at Croglin Fell.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Limestone ...	7	0	0				Brought forward				22	1	3
Sandstone ...	3	0	0				Coarse gritty red sand-						
Plate ...	3	3	0				stone ...	3	0	0			
Yellow limestone ...	5	0	0				Plate ...	2	3	0			
Coarse gritty sand-							Black limestone ...	0	5	0			
stone ...	2	0	0				Sandstone ...	5	0	0			
Plate ...	1	3	0				Plate and limestone ...	3	3	0			
<b>COAL</b> (worked at							Whin or basalt ...	3	0	0			
Croglin for burning							Black limestone ...	6	4	0			
lime) ...	0	1	3				Freestone ...	1	3	0			
				22	1	3	Into limestone.				26	0	0
Carried forward				22	1	3	Total ...				48	1	3

## No. 1,924.—TALKIN.

TOWNSHIP OF HAYTON, CUMBERLAND.

Sheet 18 of Ordnance Map. Lat. , Long.

*Bored at Blacksike, South of Turnpike, in Talkin Colliery.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Box, etc. ...	3	0	0				Brought forward	4	1	0			
Brown and grey post	0	5	0				Brown and grey post	0	2	0			
Grey metal, with post							Grey metal, with gir-						
girdles ...	0	2	0				dles ...	3	3	0			
Carried forward	4	1	0				Carried forward	8	0	0			

## No. 1,924.—TALKIN.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	8	0	0				Brought forward	17	4	0			
Brown post ...	0	4	0				Grey metal stone ...	4	0	0			
Whin gullet ...	0	1	0				Gulley limestone ...	3	1	6			
Brown post ...	1	2	6				Blue grey metal stone	0	5	3			
Grey metal, with lumps													
or girdles ...	1	4	0				<b>COAL</b>						
Brown and grey gullety post, and set							<b>COAL</b> , foul	0	3				
away the water ...	0	1	0								0	1	5
Strong white post ...	0	1	8				Grey metal ...	0	0	3	26	0	2
Strong white post, mixed with whin ...	0	0	9				Strong grey post girdles, with metal						
A metal parting ...	0	0	6				partings ...	0	4	0			
Strong white post, mixed with whin ...	0	0	9				A metal parting ...	0	0	6			
Strong metal stone, with whin ...	2	2	0				Strong whin ...	0	1	8			
Strong metal stone ...	0	3	2				Strong post girdles, with metal partings	0	3	6			
Strong whin ...	0	1	3				Strong whin ...	1	4	0			
A metal parting ...	0	0	6				A parting ...	0	0	6			
Strong white post, mixed with whin ...	0	2	6				Strong white post, mixed with whin ...	0	2	7			
Strong whin ...	0	2	7				Strong grey metal stone ...	2	0	4			
A metal parting ...	0	0	9				<b>COAL</b> ...	0	3	3			
Strong whin ...	0	0	6								6	2	7
Strong post, with partings ...	0	4	7				In grey metal ...				0	1	5
Carried forward	17	4	0				Total ...				32	4	2

## No. 1,925.—TANFIELD.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

*Account of Strata at East Tanfield Colliery. 1844.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	3	1	6	10	2	7
Strong blue clay ...	3	2	3				Grey post girdle ...	0	0	11			
Gravel and tumblers..	1	0	0				Blue stone ...	0	1	8			
Quarry freestone ...	3	1	6				Grey post girdle ...	0	0	8			
Soft blue stone, very shivery ...	1	0	6				Black stone ...	0	0	7			
<i>Hutton Seam—</i>							<i>Low Main Seam—</i>						
<b>COAL</b> ...	6	2					<b>COAL</b> ...	3	8				
Band ...	0	2					Band ...	0	2				
<b>COAL</b> , coarse	3	0					<b>COAL</b> ...	0	6				
				1	3	4					0	4	4
						10							4
Thill stone ...	0	1	6										3
Grey metal ...	3	0	0										8
Carried forward	3	1	6	10	2	7	Total ...				15	0	3

## No. 1,926.—TANFIELD.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 53' 24", Long. 1° 41' 50".

*Account of Strata sunk through in Engine Pit to Busty Bank Seam, East Tanfield Colliery.*

Approximate surface level 480 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	9	0	3	28	4	11
Clay and tumbling stones ...	0	5	8				White post, with water	0	1	3			
Freestone, with metal partings ...	8	2	8				Blue metal ...	0	0	6			
Top blue stone	1	0	4				White post, with water	0	1	7			
<i>Hutton Seam</i> —							Grey post, with metal partings ...	2	4	1			
COAL ...	6	4					Black stone ...	0	2	3			
COAL, coarse	3	0					COAL ...	0	2	0			
	1	3	4								12	5	11
				12	1	0	Dark seggar clay ...	0	0	10			
Thill stone ...	0	1	4				Light seggar clay ...	0	1	10			
Grey metal ...	3	0	6				Strong white post	0	3	0			
Grey post girdles ...	0	0	11				Post and metal partings, with whin balls	1	0	8			
Soft blue stone ...	0	1	8				Blue metal ...	0	3	4			
Post girdles ...	0	0	9				COAL ...	0	0	1½			
Black stone ...	0	0	6				Grey metal ...	0	3	0			
<i>Low Main Seam</i> —							Whin girdle ...	0	1	9			
COAL ...	3	8					Grey metal, with whin and post ...	3	4	9			
Band ...	0	2					White post ...	1	2	3			
COAL, coarse	0	6					Metal ...	0	1	9			
	0	4	4										
				4	4	0	COAL ...	1	0				
Fire clay ...	0	5	0				Band ...	0	1½				
Grey metal ...	2	0	0				COAL ...	0	1½				
Yellow post ...	2	5	4				Band ...	0	1				
Blue metal, with iron	0	0	10				COAL ...	1	0				
White post ...	0	3	0							0	2	4	
Blue metal ...	0	2	0										9 1 7½
Post ...	0	5	9				Dark seggar clay ...	0	3	8			
Blue metal ...	0	1	6				COAL ...	0	0	4			
Post, with much water	3	5	5				Dark grey metal ...	0	2	6			
COAL ...	0	1	1				White post ...	0	4	3			
				11	5	11	COAL ...	0	0	5½			
Thill stone ...	0	1	3				Band ...	0	0	4			
Post ...	0	0	6				COAL, slaty ...	0	0	6½			
Blue metal, with iron	2	4	8								2	0	1
Post ...	0	1	0				Dark thill stone ...	0	2	1			
Blue metal ...	1	5	5				Post ...	4	0	0			
Seggar clay ...	0	2	0				<i>Busty Bank Seam</i> —						
Grey post ...	1	2	7										
Whin ...	0	2	0				COAL ...	2	9				
Post ...	0	3	1				Seggar clay ...	1	1½				
Grey metal ...	0	0	10				COAL ...	0	4½				
Post ...	0	2	1				Grey metal ...	2	4				
Grey metal ...	0	1	1				Post ...	1	6				
Post ...	0	2	9				COAL ...	2	7				
Blue metal ...	0	1	0							1	4	8	
													6 0 9
Carried forward	9	0	3	28	4	11	Total ...						*59 1 3½

\* Approximate sea level 125 feet below this.







## No. 1,931.—TANFIELD.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

*Bored at Tanfield Leigh, South-east from the Hall. 1735.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and brown clay...	0	4	6				Brought forward	10	2	0			
Blue stony clay, mixed with sand ...	6	0	0										
Grey and brown sandy ramble, with water that rose 3 fathoms in the hole ...	0	5	0				<b>COAL</b> ...						
White and brown sandy post girdles, with sandy partings and water ...	2	4	6				Black and grey metal ...	0	3				
Carried forward	10	2	0				<b>COAL</b> , foul... ..	0	9				
							<b>COAL</b> ...	1	0				
										1	1	3	
							Grey metal ...	0	0	9			
											11	4	0
							Total ...				11	4	0

## No. 1,932.—TANFIELD.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

*Boring in Mr. Spearman's Ground, in the North-east part, near Mr. Davison's Ground.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and channel, with water ...	1	4	0				Brought forward	5	4	6			
Clay ...	0	4	0				Open brown post with water, and set away						
Sand, with water ...	0	1	0				the top leaders ...	1	0	0			
Gravel ...	2	3	0				Brown and grey post	1	4	0			
Sandy ramble ...	0	3	0				Grey and brown post, with metal partings	1	0	0			
A grey girdle ...	0	0	6				Grey and blue metal	2	2	0			
Grey and brown ramble	0	1	0				<b>COAL</b> ...	1	1	6			
Brown and grey post, with partings ...							In grey thill...	0	0	3			
Carried forward	5	4	6								13	0	3
							Total ...				13	0	3

## No. 1,933.—TANFIELD.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. \_\_\_\_\_, Long. \_\_\_\_\_

*Boring in the Springwood, near Tanfield Leigh, for the use of G. Spearman, Esq.  
April 13th, 1742.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Soil and sand, with water ... ..	0	2	6				Brought forward	3	0	0	6	5	9	
Brown and blue stony clay ... ..	0	3	0				White post, with water ... ..	3	4	0				
Sand and channel, with water ... ..	0	3	0				Grey stone ... ..	0	0	4				
Brown and blue stony clay ... ..	5	2	6				<i>Shield Row Seam—</i>							
Grey metal ... ..	0	0	3				Ft. In.							
<b>COAL</b> , soft... ..	0	0	6				<b>COAL</b> , with water ... ..	5	0					
				6	5	9.	Grey metal ... ..	0	2					
Soft grey metal ... ..	0	3	0				<b>COAL</b> , mixed with grey metal ... ..	0	9					
White and brown scamy post, with water ... ..	1	3	0				<b>COAL</b> ... ..	1	0					
White and brown gully post ... ..	1	0	0						1	0	11			
												7	5	3
Carried forward	3	0	0	6	5	9	In grey thill ... ..					0	1	2
							Total ... ..					15	0	2

## No. 1,934.—TANFIELD.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. \_\_\_\_\_, Long. \_\_\_\_\_

*Account of the Boring in Tanfield Leigh Ground. October 23rd, 1754.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and brown clay ... ..	0	1	6			
Stony clay ... ..	0	4	0			
Soft leafy clay ... ..	1	2	0			
Soft swelling clay, with a spring of water	0	1	6			
In soft leafy clay.				2	3	0
Total ... ..				2	3	0

## No. 1,935.—TANFIELD.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

*Account of the Boring in Springwood, Armstrong's Low Field, near Tanfield Leigh.  
October 31st, 1754.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and sandy clay ...	0	2	0				Brought forward	4	0	6	13	1	8
Stony clay ...	1	0	0				White and grey post..	0	3	6			
Sand and gravelly clay, with a spring of water ...	0	4	0				Grey metal stone, with post girdles ...	0	4	0			
Stony clay ...	6	0	0				Grey post, with water	0	3	0			
				8	0	0	Grey metal stone ...	0	2	6			
White post, with soft brown scamy part- ings and water, and settled the top feeders ...	4	1	0				<b>COAL</b> ...	0	0	10			
<i>Shield Row Seam—</i>											6	2	4
<b>COAL</b> ...	5	0					Grey metal ...	0	3	6			
Grey metal ..	0	6					Grey metal stone, with post girdles ...	4	2	0			
<b>COAL</b> ...	1	2					Grey metal ...	0	2	0			
				1	0	8	Grey metal, mixed with coal ...	0	0	4			
							<i>Hard Coal Seam—</i>						
Grey metal ...	1	4	4				<b>COAL</b> , foul	0	3				
Black metal ...	0	0	6				<b>COAL</b> ...	4	5				
Strong grey metal stone, with post girdles and metal partings ...	2	1	0								0	4	8
Open whin ...	0	0	8										
Carried forward	4	0	6	13	1	8	Grey metal, mixed with coal ...	0	0	6			
							Grey metal ...	0	0	6			
							In grey metal stone...	0	2	0			
											0	3	0
							Total ...				26	1	6

## No. 1,936.—TANFIELD.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

*Account of the Boring in the Second Place in Armstrong's, Springwood, near  
Tanfield Leigh. February 26th, 1755.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward				7	4	0
Stony clay ...	0	4	0				Soft brown and grey ramble ...	0	1	6			
Gravelly clay, with a spring of water ...	0	1	0				Soft brown and grey scamy metal ...	0	2	0			
Stony clay ...	6	4	0				<b>COAL</b> , soft foul ...	0	0	6			
				7	4	0							
Carried forward				7	4	0	Carried forward	0	4	0	7	4	0



## No. 1,936.—TANFIELD.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	0	4	0	7	4	0					19	3	2
Soft grey and brown scamy metal ...	1	1	0										
<b>COAL</b> — <i>Hard Coal Seam</i> ...	0	4	11										
				2	3	11							
Grey and brown scamy metal ...	0	0	4										
<b>COAL</b> , foul brassy, mixed with metal...	0	0	6										
Soft dun metal ...	0	0	5										
Grey metal ...	2	4	0										
White post, and settled the top feeders ...	0	1	6										
Grey metal, with post girdles and water...	2	2	0										
Grey post, with metal partings ...	0	4	6										
Grey metal, with post girdles or lumps ...	2	1	4										
<i>Brass Thill Seam</i> —													
<b>COAL</b> ...													
Brass of <i>coal</i> ...	0	4											
<b>COAL</b> ...	2	4											
				0	4	8							
				9	1	3							
Carried forward				19	3	2		Total ...			31	1	10

## No. 1,937.—TANFIELD.

## TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

*Account of a Boring in the Third Place in Springwood, about 130 yards to the North from the Second.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.		
Soil and sandy clay ...	0	3	0					Brought forward	5	4	6	7	3	8	
Strong clay ...	7	0	0					<i>Shield Row Seam</i> —							
<b>COAL</b> , foul... ..	0	0	8					<b>COAL</b> ...	Ft.	In.					
				7	3	8			5	0					
Brown and grey scamy metal ... ..	0	1	0					Grey slaty metal ...	0	3					
Grey metal ... ..	0	3	6					<b>COAL</b> ...	0	4					
White and grey scamy post, with brown scamy partings and water ... ..	5	0	0					Grey metal, scared with coal ...	0	3					
								<b>COAL</b> ...	1	0					
											1	0	10		
													6	5	4
								In grey metal ...					0	1	0
Carried forward	5	4	6	7	3	8		Total ...					14	4	0

## No. 1,938.—TANFIELD.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. \_\_\_\_\_

, Long. \_\_\_\_\_

*Account of the Boring in the Fourth Place in Springwood, about 100 yards to the South-east from the Third Place.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and leafy clay ...	1	3	0				Brought forward	1	5	6	8	5	0
Gravel and sand, with							Grey metal stone, with						
water ...	0	1	6				scamy partings and						
Strong clay ...	0	3	0				water ...	2	2	0			
Soft clay, mixed with							Grey post ...	1	0	0			
sand ...	0	1	6				Grey metal, with black						
Strong clay ...	0	3	8				scames near the						
<b>COAL</b> , foul... ..	0	0	4				bottom ...	3	1	0			
				3	1	0	<b>COAL</b> — <i>Brass Thill</i>						
Stony clay ...	5	3	0				<i>Scam</i> ...	0	5	1			
<b>COAL</b> , foul... ..	0	1	0								9	1	7
				5	4	0	Blue metal, scared with						
Strong clay ...	0	3	3				<i>coal</i> ...	0	0	3			
Grey and brown scamy							Grey metal ...	0	1	6			
metal ...	0	5	6								0	1	9
Grey and brown scamy													
post ...	0	2	9										
Carried forward	1	5	6	8	5	0	Total ...				18	2	4

## No. 1,939.—TANFIELD.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. \_\_\_\_\_

, Long. \_\_\_\_\_

*Account of the Boring in Tanfield Leigh Ground, to the East from the Tenant's House about 250 yards. June 16th, 1760.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and gravelly clay	0	3	0				Brought forward	6	1	0			
Soft leafy clay, with							Sand ...	0	2	0			
small beds of sand	5	0	0				Gravelly clay ...	0	2	0			
Gravelly clay, mixed							Stony clay ...	1	1	0			
with sand and water	0	4	0				Leafy clay ...	1	1	6			
											9	1	6
Carried forward	6	1	0				Carried forward				9	1	6

## No. 1,939.—TANFIELD.—CONTINUED.

Brought forward				Fs.	Ft.	In.	Fs.	Ft.	In.	
				9	1	6				
Brown and grey ram- ble, mixed with clay	0	3	0							
Brown and grey scamy post	0	5	6							
Grey metal	0	0	5							
Ft. In.										
COAL, soft...	0	5								
COAL, soft foul	0	2								
COAL, soft...	0	5								
COAL, soft, mixed with metal	0	4								
				0	1	4				
				1	4	3				
Soft dun and blue metal	0	2	0							
Soft blue metal, scared with coal	0	2	6							
Grey metal	1	0	0							
Grey metal stone	4	2	6							
Soft blue metal, with some scares of coal	0	0	5							
Carried forward				6	1	5	10	5	9	

Brought forward				Fs.	Ft.	In.	Fs.	Ft.	In.	
				6	1	5	10	5	9	
A hard dun girdle or lump	0	0	1							
Black metal, mixed with coal	0	0	4							
COAL, with water	0	4	5							
				7	0	3				
Black metal, scared with coal	0	0	6							
Grey metal	0	1	6							
Grey metal stone	0	3	6							
Grey post. with water at the bottom	0	2	6							
Grey metal stone and grey metal, with post girdles and wa- ter near the bottom	7	2	8							
Blue and black metal	0	0	9							
COAL	0	4	7							
				9	4	0				
Black slaty metal	0	0	6							
Grey metal stone, with girdles or lumps	0	3	0							
				0	3	6				
Total				...	...	...	28	1	6	

## No. 1,940.—TANFIELD.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. \_\_\_\_\_, Long. \_\_\_\_\_

*Bored in the Second Place in Tanfield Leigh Ground, about 160 yards to the North-west from the First.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and brown clay ... ..	0	3	0			
Leafy clay ... ..	1	0	0			
Gravelly clay ... ..	0	3	0			
Stony clay ... ..	6	0	0			
				8	0	0
Total ... ..	8	0	0			

## No. 1,941.—TANFIELD.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 52' 59", Long. 1° 42' 46".

*Bored in the Third Place in Tanfield Leigh Ground, about 450 yards to the South-east from the Hall.*

Approximate surface level 540 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	1	6				Brought forward	2	0	1	15	5	2
Gravel, with water at the bottom ...	0	4	6				Grey metal stone ...	0	4	3			
Leafy clay ... ..	1	0	0				Black metal, mixed with coal ...	0	0	9			
Leafy clay, mixed with sand and water ...	1	0	0				Grey post ... ..	0	0	8			
Stony clay ... ..	0	3	0				Blue metal, scared with coal ...	0	0	7			
Stony leafy clay ...	0	1	6				<b>COAL</b> , slaty ...	0	0	3			
Gravel ... ..	0	1	6								3	0	7
Strong stony clay ...	4	3	6				Blue metal, scared with coal ...	0	0	8			
<b>COAL</b> ... ..	1	10					Blue metal, with scames of coal at bottom ...	0	3	0			
<b>COAL</b> , foul... ..	0	2					Grey post, with black cashy partings ...	1	0	0			
<b>COAL</b> ... ..	1	4					Strong white post, with a mixture of whin in several places and some small partings ...	16	4	0			
<b>COAL</b> , foul... ..	0	2					Black grey cashy metal stone ...	0	2	6			
				0	3	6	Grey scamy post ...	0	4	9			
						9	1	0	0				
Brown and grey scamy stony metal ...	0	1	6				Grey metal ... ..	0	0	6			
Blue metal ... ..	0	4	0				<b>COAL</b> ... ..	6	8				
Grey post, with metal partings and brown scames ... ..	0	4	6				Black metal ... ..	0	1				
Grey metal ... ..	0	1	6				<b>COAL</b> , with small brass lumps or scames of brass ...	0	11				
Grey post, with metal partings and brown scames ... ..	1	0	6							1	1	8	
Grey metal ... ..	0	1	0										20
Black stone ... ..	0	1	0				Blue grey metal and metal stone ...	0	1	4			
Grey metal and metal stone, with post girdles ... ..	3	0	0				<b>COAL</b> ... ..	0	2	2			
Soft grey post ...	0	1	6								0	3	6
<b>COAL</b> ... ..	0	0	8				In black scamy stone				0	0	8
				6	4	2							
Blue metal ... ..	0	0	1				Total ... ..				*40	3	0
Grey post, with metal partings ... ..	1	4	0										
Strong white post ...	0	2	0										
Carried forward	2	0	1	15	5	2							

\* Approximate sea level 279 feet below this.



## No. 1,942.—TANFIELD.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

*Account of a Boring put down to prove the Stone Head at Tanfield Lea New Winning.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay...	0	4	0				Brought forward	2	4	0			
Loamy sand ...	0	3	0				Tumbling stone ...	0	3	11			
Clay ...	0	3	0				Strong blue clay ...	5	5	0			
Sand ...	0	2	0				Blue stone and grey						
Clay ...	0	1	0				metal girdles ...	1	5	5			
Loamy sand ...	0	3	0								11	0	4
Carried forward	2	4	0				Total ...				11	0	4

*New Pit sunk where the Hole was bored.*

	Fs.	Ft.	In.	Fs.	Ft.	In.
Depth to Top Seam from surface ...	18	0	0			
From Top Seam to Brass Thill ...	9	0	0			
				27	0	0
				27	0	0

## No. 1,943.—TANFIELD.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 52' 58", Long. 1° 42' 25".

*Sunk at Tanfield Lea Colliery, Engine Shaft. Begun March 3rd, 1830; finished November 25th, 1831.*

Approximate surface level 500 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset above surface				2	1	8	Brought forward	2	0	0	10	5	2
Brown clay ...	0	4	0				Grey post, with metal						
Sand and clay ...	0	4	0				partings ...	1	2	0			
Leafy clay ...	1	0	0				<b>COAL</b> —Shield Row						
Sand and clay ...	0	2	0				Seam ...	0	1	1			
Leafy clay ...	1	0	6								3	3	1
Sand and clay ...	0	4	0				Grey thill stone ...	0	5	0			
Blue gravelly clay ...	4	1	0				Grey metal, with post						
				8	3	6	girdles ...	2	0	0			
Brown post ...	1	0	6				Grey post, mixed with						
Grey metal ...	0	5	6				whin ...	1	0	0			
Carried forward	2	0	0	10	5	2	Carried forward	3	5	0	14	2	3

FF

## No. 1,943.—TANFIELD.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	5	0	14	2	3
Grey metal, mixed with post ...	2	4	5			
COAL—5/4 Seam ...	0	4	8			
				7	2	1
Thill stone ...	0	3	0			
Grey post, with water	1	5	0			
Blue metal stone ...	2	1	10			
Grey whin stone, mixed with post ...	0	4	0			
Blue metal stone with whin girdles ...	3	4	9			
COAL—Brass Thill Seam ...	0	4	9			
				9	5	4
Thill stone, mixed with post ...	0	3	0			
Dark blue metal stone, mixed with post ...	0	3	0			
Grey post, mixed with whin girdles ...	2	2	0			
Blue metal, with whin girdles ...	2	4	0			
Dark blue stone ...	0	1	4			
COAL, foul—Maud- lin Seam ...	0	0	2			
				6	1	6
Black stone ...	0	0	10			
Strong white post ...	2	0	6			
Dark blue metal stone, with whin girdles...	2	0	8			
White post ...	4	0	0			
Blue metal parting ...	0	0	4			
White post ...	2	0	0			
Shivery post ...	0	2	6			
Brown post ...	6	0	7½			
Grey metal parting ...	0	0	9			
Carried forward	17	0	2½	37	5	2

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	17	0	2½	37	5	2
White post ...	2	3	0			
Grey metal ...	0	2	0			
White post ...	1	0	0			
Shivery brown post ...	0	0	3			
Plum pudding stone...	0	1	0			
White post ...	1	5	0			
Plum pudding stone...	0	0	8			
White post ...	1	2	10			
Grey metal ...	0	4	0			
COAL—Hutton Seam	1	0	6			
				26	1	5½
Black stone ...	0	0	2			
Little Coal Seam—						
COAL ...	Ft.	In.				
	0	10				
Black stone ...	0	1½				
COAL ...	2	4				
				0	3	3½
						0 3 5½
Grey metal ...	1	0	0			
Post girdle ...	0	1	0			
Grey metal ...	0	0	6			
Post girdle ...	0	1	6			
Grey metal ...	0	1	6			
Post girdle ...	0	0	4			
Grey metal ...	0	4	0			
Post girdle ...	0	1	0			
Grey metal ...	0	4	4			
Main Coal Seam—						
COAL ...	Ft.	In.				
	3	9				
Black stone	0	3				
COAL, splint	0	4				
				0	4	4
						4 0 6
White thill stone ...						0 3 5
Total ...				*69	2	0

\* Approximate sea level 84 feet below this.

## No. 1,944.—TANFIELD.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

Account of Strata sunk through in Tanfield Lea New Pit, 600 yards West of Colliery.  
Begun September 30th, 1839.

Approximate surface level feet above sea (Ordnance datum).

			Fs.	Ft.	In.	Fs.	Ft.	In.				Fs.	Ft.	In.	Fs.	Ft.	In.
Outset	...	...				0	3	0	Brought forward	0	1	0	0	3	0		
Soil	...	...	0	1	0				Yellow clay ...	...	0	5	0				
Carried forward			0	1	0	0	3	0	Carried forward			1	0	0	0	3	0

## No. 1,944.—TANFIELD.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	0	0	0	3	0	Brought forward	14	4	0			
Blue gravelly clay, with large tumbling stone ... ..	8	3	0				Broken metal ...	2	5	8			
				9	3	0	<b>COAL</b> (in a convulsed state) ... ..	0	4	0			
Broken post ... ..	0	2	0								3	3	8
Strong brown post ..	3	3	0				Broken metal ...	2	4	8			
<b>COAL</b> — <i>Shield Row</i>							Broken metal ...	5	0	0			
<i>Seam</i> ... ..	0	5	0				White post...	0	4	0			
				4	4	0					8	2	8
Carried forward				14	4	0	Total ... ..				26	4	4

## No. 1,945.—TANFIELD.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 53' 10", Long. 1° 43' 55".

*The First Trial Borehole on Mountset, about 100 yards North-East of the Corving House, at Tanfield Moor.*

Approximate surface level 800 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and sandy clay ...	0	4	0				Brought forward	9	4	6	9	0	1
Stony clay ... ..	1	3	0				Brown and grey post	0	1	8			
Grey metal stone, with water ... ..	1	0	0				Blue metal ... ..	0	2	2			
Soft grey metal ... ..	0	2	0				<b>COAL</b> , with brown scames ... ..	0	2	0			
Whin ... ..	0	1	3				<b>COAL</b> , with small brass lumps and water ... ..	0	3	7			
White and grey metal stone ... ..	3	3	0								11	1	11
Grey and blue metal	1	3	0				Black grey metal ...	0	0	3			
<b>COAL</b> , coarse, with scars of brass, brown scames, and water ... ..	0	1	4				<b>COAL</b> , slaty, mixed with Ft. In. brass ... ..	0	6				
Black stone, mixed with <i>coal</i> ... ..	0	0	2				Grey slate, mixed with <i>coal</i> ... ..	0	6				
<b>COAL</b> , mixed with white metal ... ..	0	0	4				<b>COAL</b> , hard brassy ... ..	0	2				
				9	0	1	<b>COAL</b> ... ..	1	2				
White metal... ..	0	0	9								0	2	4
Soft blue and grey metal ... ..	1	0	0								0	2	7
Grey metal stone ...	0	3	0				Grey metal, with post girdles ... ..	5	1	6			
Grey post ... ..	1	1	6				Black metal, mixed with <i>coal</i> and brass	0	0	4			
Grey post girdles and metal partings ...	2	3	9										
White post, with metal partings ... ..	1	5	0				<b>COAL</b> ... ..						
Brown thready post...	1	2	6				<b>COAL</b> , foul brassy ... ..	0	5				
Whin ... ..	0	5	0								0	1	11
Strong white post, mixed with whin ...	0	1	0								5	3	9
Carried forward	9	4	6	9	0	1	Carried forward				26	2	4

## No. 1,945.—TANFIELD.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				26	2	4	Brought forward	5	0	5	27	4	3
Grey metal, with lumps or scares of brass ... ..	0	2	8				Grey metal stone, with post girdles ...	4	1	0			
Black and grey metal, scared with coal ...	0	0	6				<b>COAL</b> ...	3	2				
<b>COAL</b> , mixed with brass at the top ...	0	4	9				<b>COAL</b> , but rather coarse, with brassy scare bands at the top ...	0	9				
				1	1	11	<b>COAL</b> ...	1	0				
Black grey metal ...	0	0	8					0	4	11			
Grey metal stone ...	1	4	9								10	0	4
Strong grey post ...	0	3	0				Grey metal stone ...	0	2	3			
Strong grey metal stone ... ..	1	4	0				In white post ...	0	0	3			
Strong white and grey post ... ..	1	0	0								0	2	6
Carried forward	5	0	5	27	4	3	Total ...				*38	1	1

\* Approximate sea level 571 feet below this.

## No. 1,946.—TANFIELD.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 53' 41", Long. 1° 43' 51".

*Second Place bored on Tanfield Moor, about 260 yards to the S.S.E. from the First Place.*

Approximate surface level 790 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil, blue and brown stony clay ...	1	0	0				Brought forward	2	2	6	9	0	0
Soft grey metal ...	0	0	4				<b>COAL</b> , foul... <sup>Ft. In.</sup>	0	6				
<b>COAL</b> , soft foul slaty	0	1	8				<b>COAL</b> , foul brassy, mixed with grey metal	0	2				
				1	2	0	<b>COAL</b> ...	1	4				
Soft grey metal ...	0	1	0					0	2	0			
Brown and grey post, with metal partings and water, and set away the water ...	3	4	2								2	4	6
<b>COAL</b> , soft foul ...	0	0	10				Grey metal, with post girdles ...	3	1	6			
				4	0	0	Grey and brown post...	4	3	0			
Grey metal stone ...	0	5	0				Strong grey post ...	2	5	3			
<b>COAL</b> ... ..	0	0	8				Grey metal stone, with post girdles ...	2	0	0			
				0	5	8	<b>COAL</b> , foul <sup>Ft. In.</sup>	1	1				
Black metal, scared with coal ...	0	1	0				slaty ...	0	2				
Grey metal and girdles	2	3	0				Black grey metal	0	2				
<b>COAL</b> , foul... ..	0	0	4				<b>COAL</b> , slaty ...	0	7				
				2	4	4	Black and grey slaty metal ...	0	4				
Grey metal, with post girdles ... ..	2	2	6				<b>COAL</b> ...	0	6				
Carried forward	2	2	6	9	0	0		0	2	8			
											13	0	5
							Carried forward	24	4	11			





## No. 1,947.—TANFIELD.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				30	4	7	Brought forward	0	2	4	40	2	1
Grey metal ...	3	1	6				COAL ...						
Strong grey metal							COAL, brassy	0	1				
stone and post gir-							COAL ...	3	9				
dles, with water ...	6	0	0							0	4	7	
COAL, but rather													1 0 11
foul near the top ...	0	1	9				Blue metal, mixed with						
COAL, foul slaty,							coal at the bottom	0	1	0			
mixed with brass ...	0	0	3				In grey metal stone...	0	1	0			
				9	3	6							0 2 0
Grey metal ...	0	1	10										
Black metal, mixed													
with coal ...	0	0	6										
Carried forward	0	2	4	40	2	1	Total ...				*41	5	0

\* Approximate sea level 599 feet below this.

## No. 1,948.—TANFIELD.

TOWNSHIP OF KYO, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

*Fourth Place bored on Tanfield Moor, about 100 yards to the East from William Armstrong's House. July 3rd, 1762.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and stony clay ...	1	5	0				Brought forward	7	3	0	15	1	6
Soft brown and blue							COAL, hard						
metal ...	3	0	0				slaty ...	2	6				
Grey and blue metal,							COAL, but not						
with post girdles							good, with						
and brown scames...	5	1	0				water ...	2	4				
COAL, foul										0	4	10	
slaty ...	1	2											8 1 10
Blue metal,							Black and grey metal	0	0	7			
mixed with							COAL, with bands						
coal ...	0	2					of metal ...	0	1	10			
COAL ...	1	1											0 2 5
				0	2	5							
				10	2	5	Grey metal ...	1	2	3			
Grey metal ...	2	1	9				Blackish blue metal...	0	4	6			
Black and blue metal	2	3	0				Blue grey metal and						
COAL, foul...	0	0	4				metal stone ...	4	1	0			
				4	5	1							
Soft brown scamy							COAL ...	1	6				
metal mixed with							COAL, foul						
ramble ...	0	1	0				brassy ...	0	4				
Brown ramble stone	4	0	0				Grey metal ...	3	9				
Brown scamy post,							COAL, with						
with water ...	2	5	0				some small						
Whin, mixed with							brown scames						
strong white post...	0	3	0				and some						
							scames of brass	3	4				
							COAL ...	1	4				
										1	4	3	
													8 0 0
Carried forward	7	3	0	15	1	6	In grey metal ...						0 1 0
							Total ...				32	0	9

## No. 1,949.—TANFIELD.

TOWNSHIP OF KYO, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

*Account of the Boring at Tanfield Moor Edge, about 200 yards to the East from the Engine. August 14th, 1761.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and stony clay ...	7	3	0				Brought forward	4	2	6	12	5	7
Brown and grey post	0	4	0				Strong thready white						
Soft grey scamy post	2	3	6				post, mixed with						
<b>COAL</b> ...	0	1	3				whin and water ...	0	2	0			
				10	5	9	Grey metal stone and						
Soft black and grey							post girdles ...	1	2	0			
metal, with scares of							Strong white post ...	0	3	0			
coal ...	1	0	8				Grey metal stone ...	1	4	9			
<i>Hard Coal Seam—</i>							Blue metal ...	0	0	9			
<b>COAL</b> , with a							<i>Brass Thill Seam—</i>						
small brass							<b>COAL</b> ...	0	4				
lump near							Brassy lump or						
the top ...	4	7					coal, mixed						
Grey metal ...	0	3					with brass	0	1				
<b>COAL</b> , foul							<b>COAL</b> , with a						
slaty ...	0	4					small scame						
				0	5	2	of grey metal						
				1	5	10	at the						
Grey metal, with post							bottom ...	2	1				
girdles and water...	3	3	0				<b>COAL</b> ...	2	4				
Grey post and strong										0	4	10	
grey metal stone ...	0	5	6				In grey post ...					9	1 10
												0	1 0
Carried forward	4	2	6	12	5	7	Total ...					22	2 5

## No. 1,950.—TANFIELD.

TOWNSHIP OF KYO, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

*Third Place bored at Tanfield Moor Edge, 14 yards to the East from the Second and 120 yards from the First. November 2nd, 1761.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and stony clay ...	2	0	0				Brought forward	2	4	6			
Soft brown ramble,							<b>COAL</b> , soft loose,						
with water ...	0	4	6				with water ...	0	2	6			
											3	1	0
							Stony clay ...	3	0	0			
Carried forward	2	4	6				Carried forward	3	0	0	3	1	0





## No. 1,951.—TANFIELD.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	1	6	5	1	0	Brought forward	4	3	4	19	5	8
Grey and white post, with mixture whin girdles ... ..	2	1	0				Whin, mixed with strong white post...	0	2	0			
Brown and grey gul- lety post ... ..	1	2	0				<b>COAL</b> ... ..	0	2	9			
Grey metal stone ...	2	3	9				A brassy lump or scare band ... ..	0	0	1			
Blue grey metal ...	0	5	0				<b>COAL</b> ... ..	0	2	1			
<b>COAL</b> , with bands of black Ft. In. metal ... 1 6							Black slaty metal, scared with coal ...	0	0	3			
<b>COAL</b> , with scares of brass 0 10							<b>COAL</b> , with scares of grey metal ...	0	0	7			
Black metal, scared with coal 0 5							<b>COAL</b> , coarse ...	0	1	1			
<b>COAL</b> ... 0 3											6	0	2
		0	3	0			Grey metal and metal stone, with several whin girdles or lumps ... ..	2	5	0			
				9	4	3	Strong grey metal stone, with several whin girdles or lumps ... ..	7	3	0			
Grey metal and metal stone, with post girdles ... ..	2	1	9				<b>COAL</b> ... ..	0	1	6			
Blue and black metal	2	3	6								10	3	6
<b>COAL</b> , mixed with black metal at the bottom ... ..	0	1	2				Grey stone, mixed with brass... ..	0	0	3			
				5	0	5	Grey metal, with scares of coal ...	0	3	7			
Grey metal ... ..	2	1	4				Black metal, mixed with coal ... ..	0	0	2			
White post, with mix- ture whin girdles...	1	3	0				<b>COAL</b> ... ..	0	4	9			
Whin, with a scamy parting in the middle ... ..	0	2	0								1	2	9
White post ... ..	0	3	0				In grey metal, scared with coal ... ..				0	1	6
Carried forward	4	3	4	19	5	8	Total ... ..				38	1	7

## No. 1,952.—TANFIELD.

TOWNSHIP OF KYO, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

*Account of Boring on Tanfield Moor, about 250 yards to the South-west from the  
Cape Pit. October, 1764.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Black soil ... ..	0	0	6				Brought forward	2	2	0			
Stony clay ... ..	0	2	6				Brown scamy post, with soft ramblly partings ... ..	4	0	0			
Brown ramble ... ..	1	5	0										
							Carried forward	6	2	0			
Carried forward	2	2	0										

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## No. 1,952.—TANFIELD.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	6	2	0				Brought forward	1	1	6	9	5	8
Grey metal ...	0	3	0				<b>COAL</b> , foul...	0	1	0			
Brown post ...	1	3	0								1	2	6
Grey metal ...	0	2	0				Grey metal stone, with						
<b>COAL</b> , with Ft. In.							black scames ...	1	3	0			
brown scames	6	6					White thready post ...	0	1	6			
Soft blue metal,							Grey metal stone ...	1	3	0			
with water ...	0	3					<b>COAL</b> , foul...	0	4	0			
<b>COAL</b> ...	0	11									3	5	6
				1	1	8	Grey scamy metal and						
							metal stone, with						
						9	girdles or lumps ...	5	0	0			
Grey metal...	1	1	0			5	Strong white post ...	0	3	0			
Black metal, scared							In brown scamy post	2	0	0			
with coal ...	0	0	6								7	3	0
Carried forward	1	1	6	9	5	8	Total ...				22	4	8

## No. 1,953.—TANFIELD.

TOWNSHIP OF KYO, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

*Second Place bored on Tanfield Moor, about 70 yards to the West from the First.  
November 28th, 1764.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and stony clay ...	1	1	0				Brought forward	7	0	0			
Strong brown and													
grey post ...	2	3	6				<b>COAL</b> , foul... Ft. In.	0	9				
Whin ...	0	0	6				Grey metal,						
Soft blue grey metal,							mixed with						
with black scames							coal ...	0	4				
at the bottom ...	1	5	0				<b>COAL</b> , foul,						
Soft blue grey metal	1	1	0				mixed with						
Brown ramble ...	0	1	0				brown and						
							grey ramble						
							at the bottom	1	1				
											0	2	2
							In brown gully post,						
							with scamy partings				3	4	0
Carried forward	7	0	0										
							Total ...				11	0	2



## No. 1,955.—TANFIELD.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	4	3	0				Brought forward	6	5	5	12	1	1
Grey and brown scamy metal ...	4	0	0				<b>COAL</b> ...	0	0	6			
Black grey metal ...	2	4	9								6	5	11
<b>COAL</b> , but will not cake nor burn to any cinder ...	0	5	4				Grey and brown scamy metal ...	0	4	6			
				12	1	1	Black and blue metal	0	4	6			
Grey metal ...	0	0	8				Brown ramby post, with metal partings	2	2	0			
Grey metal stone ...	0	0	9				Grey and brown scamy post, with strong girdles and water near the bottom ...	6	3	0			
Black and blue metal	0	1	0				In whin mixture ...	0	4	0			
Grey metal and metal stone, with brown scamy girdles ...	6	3	0								11	0	0
Carried forward	6	5	5	12	1	1	Total ...				30	1	0

## No. 1,956.—TANFIELD.

TOWNSHIP OF KYO, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

*Fifth Place bored on Tanfield Moor, about 90 yards to the South from the Fourth.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and stony clay ...	1	0	0				Brought forward	2	2	0	14	0	3
<b>COAL</b> , soft foul, mixed with metal...	0	2	6				Brown white post ...	3	0	9			
Stony clay ...	4	0	6				Whin ...	0	5	6			
				5	3	0	White post ...	0	1	3			
Grey metal and metal stone ...	2	3	0				Whin ...	0	5	3			
<b>COAL</b> , foul... Ft. In.	1	1					<b>COAL</b> , hard foul slaty, mixed with brass ...	1	3				
Blue grey metal, mixed with coal ...	0	3					<b>COAL</b> , with brown scames	1	4				
<b>COAL</b> , foul... 0 8	0	8					<b>COAL</b> , with small brass girdles or lumps	2	6				
Blue metal, mixed with coal ...	0	2					Soft grey and black danty metal ...	0	8				
<b>COAL</b> , foul... 0 5	0	5					Black slaty stone, mixed with brassy coal ...	0	5				
				2	5	7	<b>COAL</b> ...	1	3				
Blue grey metal ...	5	2	8								1	1	5
<b>COAL</b> ...	0	1	0								8	4	2
				5	3	8	Carried forward				22	4	5
Grey and blue metal	0	1	0										
Strong white post ...	2	1	0										
Carried forward	2	2	0	14	0	3							



## No. 1,956.—TANFIELD.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward				22	4	5	Brought forward	0	2	9	30	0	4	
Grey metal stone, with girdles or lumps ...	2	1	0				<b>COAL</b> , mixed with brass ...	Ft. In.	0	2				
Black metal ...	0	1	0				<b>COAL</b> ...	1	9					
Grey metal stone ...	4	4	9				<b>COAL</b> , with scars of brass	0	2					
<b>COAL</b> ...	0	1	2				<b>COAL</b> ...	2	6					
				7	1	11				0	4	7		
Soft grey metal, with catheads and scars of coal ...	0	2	9				Soft grey metal ...	0	0	6		1	1	7
							In grey metal stone ..	0	0	10				
											0	1	4	
Carried forward	0	2	9	30	0	4	Total ...				31	3	0	

## No. 1,957.—TANFIELD.

TOWNSHIP OF KYO, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

*Account of the Boring on Tanfield Moor, about 60 yards to the East from William Armstrong's House. July, 1769.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk ... ..				2	3	0	Brought forward	7	3	6	16	4	10
Brown and grey scamy metal ... ..	1	1	0				<b>COAL</b> — <i>Shield Row Seam</i> ... ..	0	5	1			
Grey metal and metal stone, with post girdles and water, and set away the water near the bottom ... ..	7	4	0				Soft blue metal ... ..	0	0	3			
<b>COAL</b> ... ..	Ft. In.						<b>COAL</b> — <i>Foot Coal</i> ..	0	2	0			
Grey and black metal ... ..	0	2									0	2	3
<b>COAL</b> , foul slaty, with scars of metal	1	0					Grey metal stone ... ..	2	0	0			
				0	2	3	Black metal ... ..	0	1	0			
				9	1	3	Grey metal stone, with girdles or catheads	1	4	6			
Grey metal, with brown scames ... ..	1	5	0				Strong white post ... ..	0	2	0			
Black and blue metal	3	1	0				Whin mixture ... ..	0	1	0			
<b>COAL</b> ... ..	0	0	7				Grey metal stone, with girdles or lumps ...	1	5	0			
				5	0	7	<b>COAL</b> , with some small danty scames	0	1	9			
Black metal ... ..	0	0	6								6	3	3
Grey metal ... ..	0	5	0				Soft grey metal ... ..	0	3	3			
Grey post, mixed with whin girdles, brown scamy partings and water ... ..	6	4	0				<b>COAL</b> — <i>Hard Coal Seam</i> ... ..	0	4	8			
											1	1	11
Carried forward	7	3	6	16	4	10	Black and blue metal	0	0	4			
							In grey metal stone...	0	1	4			
											0	1	8
							Total ... ..				33	4	6

## TOWNSHIP OF KYO, DURHAM.

*Account of the Strata sunk and bored through in the Hobson Pit, Tanfield Moor Colliery from the surface. July, 1843.*

	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs.	Ft.	In.
Blue metal and outset	3	3	2									
<b>COAL</b> — 5/4 Seam (30 feet 6 inches of walling) ... ..	0	4	6	4	1	8						
Grey metal, with post girdles ... ..	1	1	9									
Blue metal ... ..	1	2	10									
Ironstone ... ..	0	0	2									
Blue metal ... ..	3	3	2									
Ironstone ... ..	0	0	2									
Blue metal ... ..	1	4	8									
Ironstone ... ..	0	0	2									
Blue metal ... ..	0	4	7									
<b>COAL</b> — <i>Brass Thill</i> <i>Seam</i> (10 feet of walling) ... ..	0	4	6	9	4	0						
Grey metal ... ..	3	2	1									
White post ... ..	0	4	8									
<b>COAL</b> ... ..	0	0	2									
Grey metal ... ..	1	5	4									
Ironstone ... ..	0	0	2									
Blue metal ... ..	0	0	6									
Ironstone ... ..	0	0	3									
Blue metal ... ..	1	0	10									
Grey post ... ..	1	0	1									
Grey metal ... ..	3	3	6									
Strong white post ... ..	5	0	8									
Blue metal ... ..	0	0	7									
White post ... ..	0	1	0									
Grey post ... ..	0	4	1									
Blue metal ... ..	0	1	0									
Strong white post ... ..	7	3	7									
<b>COAL</b> — <i>Hutton Seam</i> ... ..	1	0	6	26	5	0						
Black slaty stone ... ..	0	0	5									
<b>COAL</b> , coarse ... ..	0	0	10									
Grey metal ... ..	0	1	0									
Blue metal ... ..	1	0	3									
<b>COAL</b> — <i>Little Coal</i> ... ..	0	1	8	1	4	2						
Strong grey metal, with post girdles ... ..	1	0	2									
Grey post ... ..	0	2	0									
Grey metal ... ..	0	1	2									
Carried forward	1	3	4	42	2	10						

Brought forward	1	3	4	42	2	10						
Strong white post ... ..	0	1	8									
Strong grey metal, with post girdles ... ..	1	1	10									
Strong white post ... ..	0	2	8									
Grey metal, with post girdles ... ..	0	5	10									
Blue metal ... ..	0	0	5									
<i>Main Coal or Low</i> <i>Main Seam</i> —												
<b>COAL</b> , good	Ft.	In.										
<b>COAL</b> , bad	3	4										
	0	5										
				0	3	9						
Blue metal stone ... ..	3	0	0									
White post ... ..	10	5	8									
<b>COAL</b> ... ..	0	1	5	14	1	1						
Blue metal ... ..	1	0	0									
Blue grey metal stone, with post girdles ... ..	1	0	0									
Strong white post, with water ... ..	1	0	0									
Blue metal stone, with whin girdles ... ..	4	0	0									
Black slaty stone ... ..	0	2	0									
<b>COAL</b> ... ..	0	0	6	7	2	6						
Grey metal ... ..	1	5	6									
White post ... ..	1	1	0									
Blue metal ... ..	0	4	0									
<b>COAL</b> , strong ... ..	0	1	11	4	0	5						
Grey metal stone, with girdles ... ..	1	3	0									
Strong white post ... ..	3	5	0									
<b>COAL</b> ... ..	0	0	6	5	2	6						
Grey metal ... ..	1	3	0									
Whin girdles ... ..	0	0	8									
Grey metal stone ... ..	0	4	0									
<b>COAL</b> ... ..	Ft.	In.										
<b>COAL</b> ... ..	0	9										
Grey metal ... ..	0	7										
<b>COAL</b> ... ..	1	6										
				0	2	10						
Carried forward				81	3	4						

## No. 1,958.—TANFIELD.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward				81	3	4		Brought forward	2	1	7	89	2	1
Grey metal ...	0	2	0					Strong grey metal ...	0	1	0			
Blue metal, with hard								Ironstone ...	0	0	6			
girdles ...	0	1	0					Grey metal ...	3	1	9			
White post ...	0	3	4					Ironstone ...	0	0	4			
Grey metal stone ...	1	1	11					Blackstone ...	0	0	5			
White post ...	4	0	0					<b>COAL</b> ( <i>supposed</i>						
<b>COAL</b> ...	0	0	5					<i>Brockwell Seam</i> )...	0	1	11			
				6	2	8						6	1	6
Strong whin girdle ...	0	0	7					Strong grey metal ...	0	2	0			
Soft black slaty metal	0	1	2					Post ...	1	0	0			
<i>Busty Bank Seam</i> —								Grey metal ...	0	2	0			
<b>COAL</b> ...	Ft.	In.						Whin girdle ...	0	0	8			
Grey metal	3	0						Grey metal ...	1	0	4			
(fire clay)	0	8						Strong white post ...	2	0	5			
<b>COAL</b> ...	2	8						Grey metal ...	0	2	1			
				1	0	4		Post ...	0	1	2			
												5	2	8
Grey metal ...	2	1	0											
Strong white post ...	0	0	7											
				1	2	1								
Carried forward	2	1	7	89	2	1		Total ...				101	0	3

## No. 1,959.—TEAM.

TOWNSHIP OF LAMESLEY, DURHAM.

Sheet 7 of Ordnance Map. Lat. 54° 54' 39", Long. 1° 34' 40".

*Account of Strata sunk through in the Street Pit, Team Colliery.*

Approximate surface level 260 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay ...	2	5	6				Brought forward	3	2	6	11	4	2 $\frac{3}{4}$
Post ...	4	2	9				Metal stone ...	0	5	6			
Grey metal ...	1	2	2				White post ...	1	0	0			
High Main Seam—							Grey metal stone ...	1	2	0			
COAL ...	Ft.	In.					COAL—Metal Coal						
Grey metal	2	5					Seam ...	0	2	6			
COAL ...	12	9									7	0	6
	2	7 $\frac{1}{4}$					Blue metal stone ...	2	3	10			
				2	5	9 $\frac{3}{4}$	Grey metal stone ...	0	5	2			
							Brown post ...	0	4	1			
Metal stone ...	1	3	0				Grey metal stone ...	0	4	6			
White post ...	0	4	0				Whin girdle ...	0	1	6			
Metal stone ...	0	4	6				Blue metal stone ...	0	5	0			
White post ...	0	3	0				White post girdles ...	0	5	6			
Carried forward	3	2	6	11	4	2 $\frac{3}{4}$	Carried forward	6	5	7	18	4	8 $\frac{3}{4}$

## No. 1,959.—TEAM.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward	6	5	7	18	4	8 $\frac{3}{4}$		Brought forward	4	2	7 $\frac{1}{2}$	50	2	4 $\frac{3}{4}$
Blue metal stone	0	3	6					<i>Six-Quarter Seam</i> —						
<b>COAL</b> — <i>Stone Coal</i>								<b>COAL</b> ...	Ft.	In.				
<i>Seam</i> ...	0	2	2	7	5	3		Soft grey metal	2	0				
Thill ...	0	1	1					<b>COAL</b> , cannel	1	1 $\frac{1}{2}$				
White post ...	0	1	9					Band of stone	0	3 $\frac{1}{2}$				
Blue metal stone	...	0	3	4				<b>COAL</b> ...	1	9				
White post ...	0	3	7								1	0	8 $\frac{1}{2}$	
White post and whin												5	3	
girdles ...	0	5	1					White post ...	0	3	7			
Grey metal stone	...	2	3	1				Grey metal stone	...	0	3	0		
White post ...	0	5	11					White post and whin						
Blue metal and iron-								girdles ...	0	5	5			
stone bands ...	1	5	9					Blue metal stone	...	0	1	0		
<i>Yard Seam</i> —	Ft.	In.						White post ...	...	0	2	1		
<b>COAL</b> , fre-								Grey metal and post						
quently								girdles ...	...	1	4	7		
coarse ...	0	9 $\frac{3}{4}$						<b>COAL</b> — <i>Five-Quarter</i>						
<b>COAL</b> , good	1	1 $\frac{3}{4}$						<i>Seam</i> ...	...	0	3	3		
Band ...	0	2										4	4	11
<b>COAL</b> , good	1	4 $\frac{1}{2}$						Thill ...	...	0	0	6		
Band ...	0	1						Grey metal stone	...	0	2	10		
<b>COAL</b> , good	1	5 $\frac{3}{4}$						Post girdles, mixed						
<b>COAL</b> , good	0	11 $\frac{3}{4}$						with whin...	...	0	0	9 $\frac{1}{2}$		
			1	0	0 $\frac{1}{2}$			Grey metal stone	...	0	0	11		
				8	5	7 $\frac{1}{2}$		Grey post girdles and						
Thill ...	0	1	0					whin ...	...	0	0	11		
White post, with whin								Grey metal and whin						
girdles ...	1	0	0					girdles ...	...	0	2	8 $\frac{1}{2}$		
Blue metal and girdles	...	0	5	6				Black ironstone gir-						
White post ...	0	3	0					dles ...	...	0	0	8 $\frac{1}{2}$		
Blue metal stone	...	0	4	6				<b>COAL</b> ...	...	0	0	6		
Black metal stone and												1	3	10 $\frac{1}{2}$
girdles ...	1	0	0					Thill ...	...	0	0	4		
Whin ...	0	1	10					Grey metal stone	...	0	3	0		
Blue metal stone	...	1	5	8				Blue metal stone	...	0	0	4 $\frac{1}{2}$		
Grey metal stone ...	1	0	10 $\frac{3}{4}$				*	Grey metal stone	...	0	3	2		
	0	3	1 $\frac{1}{4}$					White post girdles	...	0	0	9 $\frac{1}{2}$		
White post girdles	...	3	2	0				Grey metal stone	...	0	4	5		
White post and whin								White post, mixed						
girdles ...	0	3	6					with whin...	...	0	2	2 $\frac{1}{2}$		
White post girdles	...	1	3	0				Blue metal stone	...	0	1	7 $\frac{1}{2}$		
Blue metal ...	0	1	0					White post, mixed						
<i>Bensham Seam</i> —								with whin...	...	0	1	2 $\frac{1}{2}$		
<b>COAL</b> , top..	Ft.	In.						Grey metal stone	...	1	0	10 $\frac{1}{2}$		
<b>COAL</b> , splint	0	7						White post, mixed						
<b>COAL</b> ...	1	4 $\frac{1}{2}$						with whin...	...	0	1	0		
Band ...	0	1						Blue metal and iron-						
<b>COAL</b> , bot-								stone girdles	...	0	4	10		
tom ...	1	0						Grey and black metal						
			0	5	9 $\frac{1}{2}$			stone ...	...	0	0	6		
				14	4	9 $\frac{1}{2}$		<i>Low Main or</i>						
Thill ...	0	1	4					<i>Hutton Seam</i> —						
Blue metal stone	...	0	3	7				<b>COAL</b> ...	Ft.	In.				
Whin girdle ...	0	0	5					<b>COAL</b> , coarse	3	10 $\frac{1}{2}$				
Blue metal ...	0	4	3					bottom ...	0	10 $\frac{1}{4}$				
Blue metal stone and											0	4	8 $\frac{3}{4}$	
girdles ...	1	2	7									5	5	0 $\frac{1}{2}$
Blue metal stone	...	1	2	5 $\frac{1}{2}$				Total ...				68	1	7
Carried forward	4	2	7 $\frac{1}{2}$	50	2	4 $\frac{3}{4}$								

\* Approximate sea level (Ordnance datum).



## No. 1,960.—TEAM.

TOWNSHIP OF LAMESLEY, DURHAM.

Sheet 7 of Ordnance Map. Lat. 54° 55' 16", Long. 1° 34' 36".

*Account of Strata sunk through from Thill of Black Fell Water Drift, in the Centre Pit, Team Colliery. 1824.*

Approximate surface level 435 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
<b>COAL—Six-Quarter</b>													
Seam ... ..	0	4	4										
				0	4	4							
Thill ... ..	0	1	0										
Hard white post ...	1	3	0										
Metal stone and post													
girdles ... ..	1	1	9½										
Blue metal ... ..	0	1	2½										
<b>COAL—Five-Quarter</b>													
Seam ... ..	0	3	1½										
				3	4	1½							
Thill ... ..	0	1	3										
Grey and white post													
and a whin lump ...	2	2	2										
Grey metal stone ...	0	1	11										
Black metal ... ..	0	1	7										
<b>COAL</b> ... ..	0	0	6										
				3	1	5							
Thill ... ..	0	2	3										
Grey metal ... ..	0	0	11										
White post and part-													
ings ... ..	0	5	10										
Whin ... ..	0	4	1										
Grey metal and whin													
girdles ... ..	1	0	9										
Post, mixed with whin	0	1	4										
Carried forward	3	3	2	7	3	10½							
Brought forward	3	3	2	7	3	10½							
Strong grey metal ...	0	5	7										
Scamy post girdles ...	0	3	5										
Blue stone ... ..	0	4	0										
Black metal ... ..	0	0	2										
<b>Low Main Seam—</b>													
<b>COAL, good</b> Ft. In.	4	1											
<b>COAL, bot-</b>													
tom ... ..	0	10											
				0	4	11							
							6	3	3				
Black metal and thill	0	2	11										
Blue metal ... ..	0	4	6½										
White post ... ..	1	4	6										
Black metal ... ..	0	0	4										
<b>COAL</b> ... ..	0	0	2½										
Band ... ..	0	0	1										
<b>COAL</b> ... ..	0	0	2										
Thill ... ..	0	2	5										
Black metal ... ..	0	2	9										
Blue metal ... ..	1	4	1										
In post ... ..	0	1	8										
							5	5	8				
Total depth below													
<i>Six-Quarter Seam</i> ...				20	0	9½							

## No. 1,961.—TEAM.

TOWNSHIP OF LAMESLEY, DURHAM.

Sheet 6 of Ordnance Map. Lat. 54° 55' 18", Long. 1° 36' 2".

*Strata sunk through in the Shop Pit, Allerdean Winning, from the Thill of the Hutton Seam.*

Approximate surface level 100 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Thill stone ... ..	0	2	6										
Grey metal ... ..	0	5	2										
Carried forward	1	1	8										
Brought forward	1	1	8										
White post ... ..	0	5	3										
Carried forward	2	0	11										

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## No. 1,961.—TEAM.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	0	11				Brought forward				18	2	4
Thill stone ...	0	2	9				Thill stone ...	0	2	0			
Grey metal ...	2	2	2				Post ...	6	5	5			
Grey post ...	3	0	8				Grey metal ...	0	3	3			
Blue stone ...	1	0	0				Post ...	0	2	3			
<b>COAL</b> ...	0	1	2				Blue stone ...	0	2	4			
				9	1	8							
Grey metal ...	1	4	0				<i>Beaumont Seam—</i>						
White post, mixed								Ft.	In.				
with whin ...	2	5	6				<b>COAL</b> , good	2	4				
Grey post ...	1	2	0				Band ...	0	7				
Blue stone ...	2	2	0				<b>COAL</b> , coarse	0	3				
Black stone ...	0	2	4				Band ...	0	1				
<b>COAL</b> , splint	0	0	3				<b>COAL</b> , coarse	1	2				
Black stone ...	0	1	10							0	4	5	
<b>COAL</b> ...	0	0	9								9	1	8
				9	0	8							
Carried forward				18	2	4	Total depth below						
							<i>Hutton Seam</i> ...				27	4	0

## No. 1,962.—TEAM.

TOWNSHIP OF LAMESLEY, DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.

*Sunk below the Beaumont Seam, in a Staple about 80 yards East of the Shop Pit.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Post ...	1	1	11			
Grey metal, mixed with whin and post ...	2	4	8			
Black stone ...	0	0	4			
Blue stone ...	0	4	6			
<b>COAL</b> ...						
Band ...	0	2	6			
<b>COAL</b> ...						
Grey metal, mixed with post ...				5	1	11
				0	3	6
Total ...				5	5	5

## No. 1,963.—THICKLEY.

TOWNSHIP OF EAST THICKLEY, DURHAM.

Sheet 42 of Ordnance Map. Lat.  $54^{\circ} 37' 30''$ , Long.  $1^{\circ} 37' 44''$ .*Account of Sinking a Pit near the Stockton and Darlington Railway, at East Thickley Colliery. June 9th, 1829.*

Approximate surface level 400 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	1	6				Brought forward				14	3	6
Dry sand and gravel	1	1	6				Soft blue metal ...	5	3	6			
Freestone ... ..	5	0	0				Main Coal Seam—						
Blue metal ... ..	0	1	0										
COAL ... ..	0	1	4				Splint ... ..						
				6	5	4	COAL ... ..						
Thill ... ..	0	3	0				COAL, coarse	0	11				
Blue metal, with water	0	3	6				Splint ... ..	0	4				
Soft metal, with water	1	1	0				Band ... ..	0	10½				
Grey metal, with							COAL ... ..	2	6				
ironstone girdles,							Splint ... ..	0	6				
thready ... ..	1	5	2							1	1	0½	
Freestone, with water	0	3	6								6	4	6½
Soft blue metal ...	1	0	0				Grey metal, with post						
Freestone, with water	0	1	9				girdles and water...				1	1	0
Soft grey metal ...	1	1	9										
COAL, coarse ... ..	0	2	6										
				7	4	2							
Carried forward				14	3	6	Total ... ..				*22	3	0½

\* Approximate sea level 265 feet below this.

## No. 1,964.—THICKLEY.

TOWNSHIP OF EAST THICKLEY, DURHAM.

Sheet 42 of Ordnance Map. Lat.  $54^{\circ} 37' 50''$ , Long.  $1^{\circ} 37' 8''$ .*Section of Strata bored through in East Thickley Estate, on the right hand side of the Lane leading to Middridge. Finished June 25th, 1834.*

Approximate surface level 446 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	1	0				Brought forward				3	4	0
Yellow rubbly lime-							Brown marl ... ..	0	1	6			
stone ... ..	0	3	0				Mild yellow limestone	0	1	6			
Limestone ... ..	3	0	0				Strong limestone, with						
							partings ... ..	3	3	0			
Carried forward				3	4	0	Carried forward				7	4	0

## No. 1,964.—THICKLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	7	4	0				Brought forward	33	5	1			
White limestone ...	0	5	0				Blue metal ...	5	1	2			
Gravelly limestone, with water ...	0	3	0				<i>Main Coal Seam—</i>						
Strong blue limestone	3	4	6				<i>Ft. In.</i>						
				12	4	6	<b>COAL</b> , brown-						
White metal ...	0	4	6				ish ...	0	4				
Red post ...	0	1	8				<b>COAL</b> , strong	3	0				
Blue metal ...	0	2	6				White thill ...	0	5				
Red post ...	0	0	2				Strong grey						
Blue metal ...	2	2	8				metal thill...	1	2				
Post girdle, with							Strong grey						
water ...	0	1	6				metal ...	3	3				
Blue metal ...	1	3	6				<b>COAL</b> , strong	2	10				
White and red post,										1	5	0	
with water ...	3	3	7				Left off in grey metal				7	0	2
Blue metal, with											0	1	6
water ...	0	1	0										41
Post, with water ...	6	0	7				<i>February 15th, 1836.</i>						0
<b>COAL</b> — <i>Five-Quarter</i>							<i>Bored further by</i>						9
<i>Seam</i> ...	0	0	10				<i>G. Stott:—</i>						
				15	4	6	Grey metal ...	0	2	0			
Thill ...	0	0	2				Grey post ...	1	2	0			
Blue stone ...	3	4	5				Blue metal ...	0	1	6			
White post, mixed							Strong white post ...	1	0	1			
with whin ...	1	0	4				Strong grey post ...	5	4	4			
Blue metal, mixed							Blue metal ...	2	1	10			
with post ...	0	1	2				Grey post, strong in						
<b>COAL</b> , coarse ...	0	2	0				the bottom ...	2	0	10			
				5	2	1	Blue metal stone, with						
							girdles ...	1	1	8			
							<b>COAL</b> ...	0	0	3			
							Blue metal ...	1	2	10			
							Strong white post,						
							mixed with whin						
							(got April 8th, 1836)	3	0	4			
											18	5	8
Carried forward	33	5	1				Total ...				60	0	5

## No. 1,965.—THICKLEY.

TOWNSHIP OF EAST THICKLEY, DURHAM.

Sheet 42 of Ordnance Map. Lat. , Long.

*Account of Strata bored in the Second Hole in Thickley Estate, on the left hand side of the Lane leading to Shildon. May 9th, 1836.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	0	6				Brought forward	2	5	6			
Blue stony clay ...	2	5	0				Blue clay, mixed with						
							sand ...	0	3	0			
Carried forward	2	5	6				Carried forward	3	2	6			



## No. 1,965.—THICKLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward	3	2	6				Brought forward	8	3	3	9	4	7	
Rambly post...	...	0	5	0			Black metal ...	...	0	0	4			
Grey metal ...	...	0	2	11			Grey metal ...	...	1	1	0			
COAL, foul...	...	0	1	0			White post, with							
					4	5	5	brown partings and						
Grey metal ...	...	1	5	7			water ...	...	1	5	4			
Black metal ...	...	0	0	4			Brown post ...	...	0	1	6			
Grey metal ...	...	2	3	0			White post ...	...	0	1	6			
COAL, with water—							Blue metal, with gir-							
Yard Seam (?) ...	...	0	2	3			dles ...	...	2	1	0			
					4	5	2	White post ...	...	0	3	1		
Grey metal ...	...	0	2	0			Blue metal and metal							
Brown post ...	...	0	3	0			stone, with girdles	...	9	0	3			
Strong white post,							White post ...	...	0	3	6			
mixed with whin...	...	1	2	11			Grey metal and metal							
Grey metal and metal							stone, with girdles	...	15	2	8			
stone ...	...	4	2	6			In strong white post,							
Brown post ...	...	0	3	8			mixed with whin...	...	2	3	0			
White post ...	...	1	1	2							42	2	5	
Carried forward	8	3	3	9	4	7	Total ..	...			52	1	0	

## No. 1,966.—THICKLEY.

TOWNSHIP OF EAST THICKLEY, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 37' 32", Long. 1° 38' 18".

*Strata sunk through in the West Pit, Shildon Colliery, in East Thickley Royalty.*  
1869 and 1870.

Approximate surface level 400 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	...	0	1	0			Brought forward				12	2	10
Yellow clay and sand	...	0	1	0			Seggar ...	...	0	3	6		
Blue clay and stones	...	2	1	0			Blue metal ...	...	0	2	6		
Quicksand and gravel							Grey metal ...	...	0	3	4		
(750 gallons of wa-							Blue metal ...	...	0	2	4		
ter per hour) ...	...	3	5	4			Black stone ...	...	0	0	4		
Blue clay ...	...	0	1	0			Grey metal ...	...	3	0	0		
Freestone marl ...	...	1	0	5			Grey whin girdle	...	0	1	0		
Freestone ...	...	1	1	0			Blue metal ...	...	0	1	6		
Grey metal ...	...	0	2	4			White post ...	...	1	2	6		
Freestone ...	...	2	3	4									
Grey metal ...	...	0	0	10			COAL ...	Ft. In.					
Grey post ...	...	0	2	6			Seggar band...	...	0	3			
							COAL ...	...	1	2			
Black band ...	Ft. In.										0	2	0½
COAL ...	...	0	1								7	1	0½
Black band ...	...	0	1				Black stone ...	...	0	0	3		
							Seggar ...	...	0	2	0		
							Grey metal ...	...	2	3	3		
Carried forward							Carried forward	2	5	6	19	3	10½

## No. 1,966.—THICKLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward	2	5	6	19	3	10½		Brought forward			40	2	11½	
Blue metal ...	1	1	0					Seggar ...	0	2	6			
<i>Top part of Busty</i>								Grey post girdles ...	0	2	6			
<i>Seam—</i>	Ft.	In.						Grey metal ...	1	1	0			
<b>COAL</b> ...	1	2						<b>COAL</b> ...	0	1	0			
Splint stone...	0	1									2	1	0	
<b>COAL</b> ...	1	7						Seggar ...	0	0	8			
			0	2	10			Post girdles, with me-						
						4	3	4	tal partings ...	2	3	6		
Seggar ...	0	2	4					Whin ...	0	3	6			
Grey metal, with iron-								Post girdles, with me-						
stone nodules ...	1	0	8					tal partings ...	2	5	9			
Grey metal, with post								<i>Brockwell Seam—</i>						
girdles ...	0	2	10					Ft. In.						
<b>COAL</b> , with water—								<b>COAL</b> , top... 0	11½					
<i>Lower part of</i>								Splint ... 0	5					
<i>Busty Seam</i> ...	0	2	8			2	2	6	<b>COAL</b> , very					
								strong ... 1	8					
Seggar ...	0	2	4					Stone band ... 0	2½					
White post ...	2	1	9					<b>COAL</b> , bot-						
Grey post (4,000 gal-								tom, infe-						
lons of water per								rior, mixed						
hour) ...	2	2	0					with black						
Whin ...	1	0	0					band ... 2	2					
Rough post ...	0	3	0							0	5	5		
Whin ...	0	1	6									7	0	10
Strong rough post ...	1	3	0					Seggar ...	0	2	9			
Dark grey metal ...	0	5	6					Grey metal, with post						
<b>COAL</b> ...	0	0	8			9	1	9	girdles ...	1	0	0		
								White post ...	0	4	0			
Seggar ...	0	2	0									2	0	9
Grey leafy post ...	1	3	0											
Dark grey metal ...	2	3	9											
<b>COAL</b> ...	0	0	9			4	3	6						
Carried forward				40	2	11½		Total ...				*51	5	6½

\* Approximate sea level 88 feet 6 inches below this.

## No. 1,967.—THISTLE FLATT.

TOWNSHIP OF NORTH BEDBURN, DURHAM.

Sheet 33 of Ordnance Map. Lat. , Long.

Account of the Boring the First Hole in Thistle Flatt Royalty. March 1st, 1848.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	2	0				Brought forward				6	2	0
Brown stony clay ...	1	3	0				Brown post ...	1	5	0			
Loamy sand, with							Dark sandy post ...	0	1	4			
water ...	0	4	0				Brown post ...	0	0	6			
Stony clay ...	3	5	0				<b>COAL</b> , soft foul ...	0	0	10			
				6	2	0					2	1	8
Carried forward				6	2	0	Carried forward				8	3	8

## No. 1,967.—THISTLE FLATT.—CONTINUED.

Brought forward	Fs.	Ft.	In.	Fs.	Ft.	In.
	8	3	8			
Grey metal, with iron-stone girdles ...	1	0	4			
Grey and white post	3	2	0			
Grey metal stone, with post girdles ...	2	3	4			
Light metal ...	0	4	0			
COAL ...	0	1	4			
	7	5	0			
Grey metal stone, with post girdles ...	4	1	2			
White post, with a gullet; set away the water at 6 feet from the top ...	1	1	0			
White post, mixed with whin ...	1	2	8			
Whin ...	0	1	0			
White and grey post	1	0	2			
Black metal ...	0	1	3			
COAL ...	1	0				
Black stone ...	2	10				
COAL ...	0	4				
	0	4	2			
	8	5	5			
Carried forward	25	2	1			

Brought forward	Fs.	Ft.	In.	Fs.	Ft.	In.
	25	2	1			
Grey metal stone ...	1	2	0			
Ironstone girdle ...	0	0	6			
Grey metal ...	0	1	6			
COAL ...	0	0	6			
				1	4	6
Grey metal ...	0	4	6			
Black metal, mixed with coal ...	0	1	0			
Grey metal ...	0	1	0			
White and grey post	3	2	6			
Whin ...	0	1	4			
White post, mixed with whin ...	0	5	7			
Whin ...	0	3	0			
Strong grey and white post ...	1	2	4			
Grey metal stone, with post girdles ...	1	3	0			
Grey post ...	0	1	0			
COAL ...	0	0	6			
Into white post (left off July 8th, 1848)	0	4	6			
				10	0	3
Total ...	37	0	10			

## No. 1,968.—THISTLE FLATT.

TOWNSHIP OF NORTH BEDBURN, DURHAM.

Sheet 34 of Ordnance Map. Lat. , Long.

*Account of the Boring in the Second Place in Thistle Flatt, on Water Gate Royalty, about 140 yards North from the First Hole. May 15th, 1848.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brown stony clay ...	1	3	0			
Sand, with water ...	0	0	2			
Brown stony clay ...	2	1	10			
Loamy sand and clay	2	0	0			
Stony clay ..	4	0	0			
Brown and grey metal	0	4	6			
				10	3	6
Carried forward				10	3	6

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				10	3	6
Main Coal Seam—						
	Ft.	In.				
COAL, top ...	2	8				
Metal ...	0	7				
COAL, foul,						
mostly metal	0	4				
COAL ...	0	6				
Grey metal ...	0	6				
COAL, good	4	3				
Splint ...	0	3				
				1	3	1
				1	3	1
Total ...				12	0	7

## No. 1,969.—THISTLE FLATT.

TOWNSHIP OF NORTH BEDBURN, DURHAM.

Sheet 34 of Ordnance Map. Lat. 54° 42' 27", Long. 1° 44' 35".

*Account of the Boring in the Third Place in Thistle Flatt Royalty, about 8 yards South-east of Water Gate Farm House, by the Burn Side, on the South Side. June 12th, 1848.*

Approximate surface level 450 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sandy soil ...	0	3	0				Brought forward	12	1	10			
Gravel, sand, and water ...	0	3	6				Grey metal, with water, about 4½ gallons per minute ...	0	1	11			
Blue loamy sand ...	0	1	6				<i>Main Coal Seam—</i>						
Blue stony clay ...	6	2	0				<b>COAL</b> ...						
Brown stony clay ...	0	4	0				Black grey metal ...	1	1				
				8	2	0	<b>COAL</b> ...	4	2				
Brown and grey metal	1	2	0				Splint ...	0	2				
Grey metal stone ...	1	5	10					1	0	0			
Iron stone girdles ...	0	0	5								1	1	11
Grey metal ...	0	0	11										
<b>COAL</b> , top ...	0	2	8										
				3	5	10							
Carried forward	12	1	10				Total ...				13	3	9

\* Approximate sea level 368 feet 3 inches below this.

## No. 1,970.—THORNLEY.

TOWNSHIP OF THORNLEY, DURHAM.

Sheet 28 of Ordnance Map. Lat. , Long.

*Account of the Boring in a Sinking Pit, near Gore Hall.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to the scaffold...				12	0	10	Brought forward	5	3	0	31	0	10
Old borehole...				19	0	0	Black metal, mixed with coal ...	0	0	8			
Red metal, with blue scares and hard lumps ...	2	1	6				<b>COAL</b> ...	0	0	2			
Red post, with blue scares ...	0	4	0								5	3	10
Red metal, with blue scares ...	1	0	6				Whitish grey metal...	0	1	9			
Blue metal ...	1	3	0				Grey scamy post ...	1	0	0			
							Whin mixture ...	0	0	10			
Carried forward	5	3	0	31	0	10	Grey post, with water	1	3	7			
							Grey metal ...	0	3	5			
							Carried forward	3	3	7	36	4	8



## No. 1,970.—THORNLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	3	7	36	4	8
Blue grey metal, with scars of coal near the bottom	...	0	3	0		
COAL	Ft. In.	0	4			
Hard brassy lumps or band	0	1				
COAL, with scars of brass near the top...	1	2				
COAL, soft...	0	2				
COAL	...	0	10			
		0	2	7		
				4	3	2
<i>Bored further:—</i>						
Whitish grey metal...	0	3	0			
Blue grey metal stone, with post girdles	2	5	0			
Blue metal	...	0	2	0		
Black metal	...	0	0	1		
Carried forward	3	4	1	41	1	10

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	4	1	41	1	10
COAL	Ft. In.	...	0	4		
Brass lump or band	...	0	1			
COAL	...	0	3			
COAL	...	1	3			
		0	1	11		
				4	0	0
Grey metal	...	0	3	6		
Grey metal stone	...	1	2	6		
Grey post, with open gullets	...	0	5	0		
Grey metal stone, with post girdles	...	6	0	6		
Black metal, with grey scams	...	0	0	6		
In whin, with water...	...	0	0	4		
				9	0	4
Total	...			54	2	2

## No. 1,971.—THORNLEY.

TOWNSHIP OF THORNLEY, DUBHAM.

Sheet 28 of Ordnance Map. Lat. 54° 44' 56", Long. 1° 25' 45".

*Account of Strata sunk through in Thornley Colliery.*

Approximate surface level 500 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	...	0	1	0		
Brown stony clay	...	0	2	0		
Strong blue stony clay	...	2	3	0		
				3	0	0
Ramblly limestone, mixed with sand	...	0	3	0		
Gulley limestone, mixed with marly partings and water	...	6	0	0		
Limestone, with thin partings	...	6	3	0		
Limestone, with thin partings, strong, and water from 24 fathoms	...	9	3	0		
				22	3	0
Dark grey stone	...	0	0	9		
Soft metal	...	0	0	9		
Sand, with water	...	2	5	10		
Soft sandy post	...	3	0	2		
Carried forward	6	1	6	25	3	0

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	6	1	6	25	3	0
Strong whin and white post...	...	0	1	4		
Brown and grey metal	...	0	4	0		
Grey, blue, black, and red scared metal	...	1	1	0		
Red scared metal stone	...	2	0	0		
Grey metal	...	0	3	2		
COAL, with water...	...	0	1	6		
Red and blue metal, with scars of coal	...	0	1	6		
				11	2	0
Grey metal	...	0	3	0		
Red metal	...	0	5	6		
Whin	...	0	1	3		
Strong grey post	...	1	0	0		
Strong white post, mixed with whin	...	0	4	0		
Red and blue metal...	...	0	2	0		
Carried forward	3	3	9	36	5	0

## No. 1,971.—THORNLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward	3	3	9	36	5	0		Brought forward			84	2	9	
Strong white post, mixed with red ...	0	4	0					Dark grey metal ...	0	2	0			
Strong white post, with red partings and water ...	1	4	0					Strong grey metal stone, with post girdles and metal partings, dark near the bottom ...	17	1	1			
<b>COAL</b> , foul...	0	1	3					<b>COAL</b> — <i>Main Coal</i> <i>Seam</i> ...	0	2	7			
				6	1	0					17	5	8	
Grey metal, with white post girdles ...	3	3	10					Dark grey and black metal, mixed with <i>coal</i> in some places	0	3	7			
Whin girdles ...	0	0	10					Grey metal ...	0	3	0			
Grey metal stone, with post girdles and water ...	10	1	4					Strong grey metal stone, with post girdles ...	3	4	9			
Dark grey metal, with whin girdles ...	1	4	6					Black metal, with some scares of <i>coal</i>	0	3	0			
White post ...	0	1	9					<b>COAL</b> , with sulphur, burns to white ashes — <i>Maudlin Seam</i> ...	0	1	8			
Dark grey metal, with post girdles ...	3	0	9								5	4	0	
Grey metal ...	0	3	0					Grey metal stone, with thin girdles ...	2	1	4			
Grey post ...	0	2	0					<b>COAL</b> , rather foul...	0	0	8			
Strong white post and whin girdles ...	8	4	0					Grey metal and metal stone, inclining to post ...	0	4	0			
Grey metal and metal stone, with scares of <i>coal</i> and water near the top ...	8	2	0					Strong white post, with grey scared partings ...	3	4	0			
Grey metal, with thin post girdles ...	1	1	0					Grey post, with some beds of white ...	3	2	0			
	2	0	0			*		Strong white post, with whin girdles...	2	2	4			
<i>Three-Quarter Seam</i> — Ft. In.								<b>COAL</b> ...	0	0	3			
<b>COAL</b> ...	1	6						Grey scared post, with scares of <i>coal</i> ...	0	2	0			
Grey metal, mixed with <i>coal</i> near the bottom	0	9						Strong whitish grey post ...	1	5	9			
<b>COAL</b> ...	0	7						<b>COAL</b> — <i>Low Main</i> <i>Seam</i> ...	0	2	8			
Dark grey metal, with scares of <i>coal</i>	0	3									15	1	0	
<b>COAL</b> ...	0	2						Grey metal and metal stone, with post girdles ...	5	4	4			
Dark grey metal and <i>foul coal</i> ...	0	5						Dark grey metal, with post girdles ...	1	1	0			
<b>COAL</b> ...	0	4						<b>COAL</b> , foul...	0	0	2			
Grey metal, with some scares of <i>coal</i> ...	0	4						Soft jointy grey metal	0	2	6			
<i>Five-Quarter</i> <i>Seam</i> —								Dark grey metal, with post girdles ...	2	0	4			
<b>COAL</b> ...	1	8						Grey metal stone, in- clining to post ...	0	3	6			
<b>COAL</b> , strong	1	9												
			1	1	9									
				41	2	9								
Carried forward				84	2	9		Carried forward	9	5	10	123	1	5

\* (Approximate sea level Ordnance datum).

## No. 1,971.—THORNLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	9	5	10	123	1	5
Strong white post ...	0	5	2			
Strong grey metal stone ...	0	1	6			
Grey metal and metal stone, with post girdles ...	3	0	6			
COAL, foul ...	0	0	11			
Grey metal and metal stone ...	1	4	0			
Whitish grey post, mixed with whin ...	4	0	6			
Blue grey metal ...	0	2	5			
<i>Hutton Seam</i> —Ft. In.						
COAL ...	2	8				
Splint ...	0	8				
			0	3	4	
			21	0	2	
Black stone ...	0	0	10			
Sill stone ...	0	4	0			
Blue metal ...	1	4	8			
Grey metal, mixed with blue ...	0	0	9			
COAL ...	0	0	4			
Black sill stone ...	0	0	10			
Blue metal ...	0	1	4			
Grey metal, mixed with blue ...	0	2	9			
Grey metal ...	2	2	0			
Dark blue metal ...	0	1	7			
COAL ...	0	0	7			
Blue metal ...	0	1	8			
Blue metal, mixed with grey ...	2	1	5			
Post ...	0	1	11			
Blue metal ...	1	1	0			
Grey metal ...	0	0	8			
Blue metal ...	0	2	4			
COAL ...	0	0	7			
Dark sill stone ...	0	0	5			
Basaltic post ...	0	0	11			
Grey metal ...	0	3	0			
Post ...	0	1	9			
Grey metal ...	0	0	10			
Blue metal ...	0	2	6			
Grey metal ...	0	0	6			
Soft blue metal ...	4	5	8			
Grey metal ...	1	0	9			
Blue metal ...	0	3	9			
Post ...	0	1	0			
Blue metal ...	0	0	6			
Grey whin ...	0	1	4			
Post ...	0	3	0			
Blue metal ...	0	2	9			
Post ...	0	0	4			
Blue metal ...	0	0	7			
COAL— <i>Harvey Seam</i> ...	0	3	8			
			21	2	6	
Carried forward	165	4	1			

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward			165	4	1	
Grey metal stone ...	0	2	0			
Brown metal ...	0	1	0			
Strong white post ...	2	2	7			
Grey metal stone, with hard girdles ...	2	5	1			
<i>Busty Seam</i> —Ft. In.						
COAL ...	1	8				
Black metal ...	0	1				
COAL ...	0	6				
Grey metal band ...	0	3				
COAL ...	0	5				
			0	2	11	
Grey metal ...	0	1	6			6 1 7
Strong white and grey post ...	2	3	10			
COAL, slaty ...	1	1				
Grey metal ...	1	4				
COAL ...	1	4				
			0	3	9	
Grey metal ...	1	0	4			3 3 1
White and grey post ...	1	2	8			
COAL ...	0	0	8			
						2 3 8
Grey metal stone ...	0	4	0			
White post ...	3	2	4			
Grey metal ...	0	3	1			
COAL, good ...	0	2	0			
						4 5 5
Grey metal stone ...	0	0	6			
Strong white post ...	4	4	2			
Grey whin ...	0	1	0			
White post ...	3	1	5			
Grey metal ...	0	2	6			
Grey post ...	0	1	6			
						8 5 1
Sunk ...			191	4	11	
<i>August, 1856.—Bored further:—</i>						
Grey post ...	1	4	0			
Metal ...	0	1	0			
COAL ...	0	0	6			
						1 5 6
Grey metal ...	0	5	0			
Grey post ...	2	1	6			
Whin ...	0	1	2			
Grey metal ...	0	5	0			
COAL ...	0	1	5			
						4 2 1
Grey metal ...	0	0	2			
Grey post ...	0	2	6			
Metal stone ...	0	1	6			
COAL ...	0	1	0			
						0 5 2
Carried forward	198	5	8			

## No. 1,971.—THORNLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward				198	5	8		Brought forward	14	1	10	199	4	8
Grey metal stone ...	0	4	2					Metal ...	0	5	8			
<b>COAL</b> ...	0	0	10					<b>COAL, with sulphur</b> ...	0	0	10			
				0	5	0						15	2	4
Grey metal stone ...	0	3	0					Metal ...	1	0	0			
Grey post, very hard	6	0	0					White post ...	0	1	0			
Whin ...	0	2	0					Metal ...	0	4	9			
White post ...	2	2	11					White post ...	1	5	3			
Whin ...	0	2	10					Black stone ...	0	3	0			
White post ...	1	0	8					Dark metal ...	0	1	3			
Grey metal ...	0	2	11					Hard girdle ...	0	0	3			
Black stone ...	0	0	8					Metal ...	1	4	6			
Grey post ...	2	4	6					<b>COAL, splinty</b> ...	0	0	10			
Metal ...	0	0	2					Grey metal ...	0	0	11			
Girdle ...	0	0	2									6	3	9
Carried forward	14	1	10	199	4	8		Total ...			221	4	9	

## No. 1,972.—THORNLEY.

TOWNSHIP OF WOLSINGHAM, DURHAM.

Sheet 25 of Ordnance Map. Lat. 54° 44' 34", Long. 1° 48' 24".

*Strata bored through in Thornley Estate.*

Approximate surface level 1,000 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Soil and clay...	...	0	5	0				Brought forward	0	4	6	17	3	7
Broken freestone	...	1	4	0				Post stone	...	1	1	2		
COAL	...	0	1	4				Grey metal stone	...	0	1	9		
					2	4	4	COAL	...	0	3	3		
Grey metal stone	...	8	0	0								2	4	8
COAL	...	0	3	0				Thill stone	...	2	2	6		
					8	3	0	Post stone	...	0	3	11		
Thill stone	...	0	1	6				Grey metal stone	...	1	3	9		
Post stone	...	1	0	8				COAL	...	0	1	7		
COAL	...	0	1	8								4	5	9
					1	3	10	Thill stone	...	0	0	7		
Thill stone	...	0	1	0				Post stone	...	0	2	7		
Grey metal stone	...	0	3	10				Grey metal stone	...	1	0	3		
Post stone	...	3	3	7				Post girdles	...	0	5	0		
COAL	...	0	2	0				Post stone	...	0	0	9		
					4	4	5	Grey metal stone	...	1	3	2		
Thill stone	...	0	1	9				COAL	...	0	2	8½		
Grey metal stone	...	0	2	9								4	3	0½
Carried forward	0	4	6	17	3	7		Carried forward				29	5	0½



## No. 1,972.—THORNLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				29	5	0½	Brought forward	2	5	4	29	5	0½
Thill stone ...	0	2	6				Blue metal stone ...	0	2	8			
Grey metal stone ...	0	5	4				<b>COAL</b> ...	0	4	4			
Grey metal and post girdles ...	1	0	2				Thill stone ...				4	0	4
Post stone ...	0	2	0								0	0	8
Grey metal stone ...	0	1	4										
Carried forward	2	5	4	29	5	0½	Total ...				*34	0	0½

\* Approximate sea level 796 feet below this.

## No. 1,973.—THORNLEY.

TOWNSHIP OF WINLATON, DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.

*Strata bored through at Thornley (upon the Tyne), in the Corner of the Lane to the South of the House, by T. Rawlings. January 10th, 1765.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0			
Stony clay ...	1	5	0			
Leafy clay ...	5	0	0			
Sand, with water ...	0	4	6			
Stony clay ...	8	2	6			
Leafy clay ...	0	3	0			
In strong clay ...	5	1	9			
				21	5	9
Total ...				21	5	9

## No. 1,974.—THORNLEY.

TOWNSHIP OF WINLATON, DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.

*Second Borehole on Thornley Estate, about 100 yards South of Old Winning, by T. Rawlings. October 19th, 1765.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and leafy clay ...	1	0	0				Brought forward				11	3	5
Stony clay ...	10	0	0				Black stone ...	0	0	7			
Soft brown and blue metal ...	0	3	0				Grey and blue metal, with brown scares and hard girdles or lumps ...	4	3	9			
<b>COAL</b> , foul... ..	0	0	5	11	3	5	Carried forward	4	4	4	11	3	5
Carried forward				11	3	5							

## No. 1,974.—THORNLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
	4	4	4	11	3	5		24	2	2			
Brought forward							Brought forward						
COAL, mixed with black danty metal...	0	0	7				Grey metal stone, with post girdles ...	2	1	8			
Grey metal stone ...	0	1	6				Grey metal ...	0	3	0			
COAL ...	0	1	3				Black stone, scared with coal at top ...	0	1	1			
Black danty metal, mixed with coal ...	0	0	3				COAL ...	0	0	4			
COAL (will cake or burn to a good cin- der), with water near bottom ...	0	2	3								3	0	1
				5	4	2	Grey metal, with scares of coal ...	0	0	9			
Grey metal stone ...	0	0	6				Grey post ...	0	5	0			
Blue grey metal stone	0	4	6				Grey metal stone, with strong girdles ...	0	4	0			
COAL ...	0	0	8				Black stone ...	0	5	0			
				0	5	8	COAL ...	0	0	8			
Grey metal ...	0	1	1								2	3	5
COAL ...	0	0	3				Grey metal stone ...	0	4	6			
				0	1	4	Strong white post ...	0	1	6			
Black danty metal ..	0	0	1				Grey blue metal ...	0	3	0			
Grey metal stone ...	2	1	0				COAL ...	0	0	5			
Brown gullety post ...	0	1	0								1	3	5
Grey metal ...	0	5	0				Blue grey metal ...	0	3	0			
Black stone ...	0	1	6				White and grey post	0	4	0			
COAL ...	0	0	4				Blue grey metal ...	0	1	6			
				3	2	11	COAL ...	0	1	1			
Black metal ...	0	0	6								1	3	7
Grey metal and metal stone, with post girdles ...	2	1	0				In blue grey metal ...				0	1	2
COAL ...	0	1	2										
				2	2	8							
Carried forward	24	2	2				Total ...				33	1	10

Rods measured by Mr. Wilson, the bailiff, Oct. 19th, 1765.

## No. 1,975.—THORNLEY.

TOWNSHIP OF WINLATON, DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.

*Fourth Borehole at Thornley Colliery, 220 yards South of the Third, in the Games Field Boring. February 9th, 1766.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and gravelly clay	0	5	0				Brought forward	3	3	0			
Strong clay ...	2	1	0				Soft brown and grey						
Grey and brown scamy							scamy metal	0	2	0			
post ...	0	3	0				<b>COAL</b> , foul...	0	1	0			
											4	0	0
Carried forward	3	3	0				Carried forward				4	0	0

## No. 1,975.—THORNLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				4	0	0	Brought forward	0	4	9	13	2	8
Grey and brown scamy post ...	2	3	0				<b>COAL</b> , with small bands of metal at top ...	0	1	7			
Brown post ...	2	0	0								1	0	4
Grey scamy metal ...	0	0	6				Grey metal ...	2	0	9			
Black metal, mixed with coal ...	0	1	0				Black metal, mixed with coal at bottom	0	0	4			
Brown scamy metal...	2	1	6				Grey metal ...	0	3	0			
Grey and brown post	0	2	0				<b>COAL</b> , foul...	0	0	5			
Grey and brown scamy metal ...	0	3	9								2	4	6
<b>COAL</b> , but will not cake ...	0	2	8				Grey metal and metal stone, with post girdles ..	2	5	4			
				8	2	5	Black stone, with a mixture of coal ...	0	0	6			
Blue grey metal ...	0	0	6				Blue and grey scamy mixture ...	0	3	0			
Grey metal ...	Ft. In.												
<b>COAL</b> ...	0	10					<b>COAL</b> , soft...	Ft. In.	1	2			
Black metal, mixed with coal ...	0	1					Blue mixture...	0	3				
<b>COAL</b> ...	2	7					<b>COAL</b> , but rather soft near top ...	1	9				
Grey metal ...	0	7								0	3	2	
<b>COAL</b> , foul...	0	4											
				0	5	9							
Grey metal ...	0	0	5				In grey metal stone				4	0	0
Black metal, mixed with coal at bottom	0	4	4								0	1	6
Carried forward	0	4	9	13	2	8	Total ...				21	3	0

## No. 1,976.—THORNLEY.

TOWNSHIP OF WINLATON, DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.

*Strata bored through in Thornley Grounds, about 100 yards North from Purvess's Houses, by C. Robinson and John Beason, for the Blaydon Colliery Owners.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	12	0	0			
Sand, with water at bottom ...	7	2	0				Strong clay, with scares of coal ...	0	2	3			
Gravelly clay ...	1	3	0				Strong white stone ...	0	3	9			
Strong white stone ...	0	0	10				Strong white stone ...	0	1	6			
Strong clay, with scares of coal ...	2	5	1				Strong clay, with scares of coal ...	0	1	6			
<b>COAL</b> , with a little water ...	0	0	1				In strong blue clay ...	1	0	0			
											14	3	0
Carried forward	12	0	0				Total ...				14	3	0

## No. 1,977.—THORNLEY.

TOWNSHIP OF WINLATON, DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.

*Second Hole bored about 170 yards North-west from the First.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	6				Brought forward	7	4	2			
Strong clay ...	1	0	6				Strong clay ...	1	4	6			
Sand, with a little water ...	0	0	4				Grey metal ...	0	1	9			
Strong clay ...	1	0	8				<b>COAL</b> ...	0	0	9			
Sand ...	3	3	0				Soft stone ...	0	0	9			
Strong clay ...	0	3	0				<b>COAL</b> ...	0	0	3			
Sand and gravel ...	0	3	0				Grey post stone, whin	0	5	9			
Strong clay ...	0	3	2				In blue and grey stone ...	0	2	0			
Coarse sandy stone ...	0	1	0								11	1	11
Carried forward	7	4	2				Total ...				11	1	11

## No. 1,978.—THORNLEY.

TOWNSHIP OF WINLATON, DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.

*Third Borehole, about 160 yards North from the Second.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	2	3	2	4	0	4
Strong stony clay ...	1	5	0				Brown and white post	0	2	3			
Sand and gravel ...	0	3	0				Brown sandy stone ...	0	0	3			
Strong stony clay ...	0	3	0										
Clay and gravel, mixed with coal ...	0	3	0				<b>COAL</b> ...	2	8				
Brown clay ...	0	3	0				Grey metal ...	1	0				
<b>COAL</b> ...	0	0	4				<b>COAL</b> ...	3	8				
				4	0	4					1	1	4
Sandy brown clay ...	0	5	8								8	1	4
Blue and brown scamy post ...	1	3	6				In grey metal stone...				0	0	8
Carried forward	2	3	2	4	0	4	Total ...				8	2	0



## No. 1,979.—THORNTON.

TOWNSHIP OF WEST THORNTON, NORTHUMBERLAND.

Sheet 63 of Ordnance Map. Lat. , Long.

*Account of Borings made at Thornton Moor. First Hole supposed to be about one mile to the West of Thornton. 1711.*

Approximate surface level feet above sea (Ordnance datum).

						Fs.	Ft.	In.	Fs.	Ft.	In.
Soil, red sand, and clay	...	...	...	...	...	0	1	6			
Clay, with a small feeder of water...	...	...	...	...	...	0	0	4			
Blue clay	...	...	...	...	...	5	3	0			
<b>COAL</b>	...	...	...	...	...	0	0	3			
Blue clay	...	...	...	...	...	4	0	0			
<b>COAL</b>	...	...	...	...	...	0	0	4			
Blue ramble	...	...	...	...	...	1	0	0			
<b>COAL</b>	...	...	...	...	...	0	0	7			
In blue and grey stone	...	...	...	...	...	4	0	0			
									15	0	0
Total	...	...	...	...	...				15	0	0

## No. 1,980.—THORNTON.

TOWNSHIP OF WEST THORNTON, NORTHUMBERLAND.

Sheet 63 of Ordnance Map. Lat. , Long.

*Second Place, about 300 yards to the North from the First.*

Approximate surface level feet above sea (Ordnance datum).

						Fs.	Ft.	In.	Fs.	Ft.	In.
Soil, red sand, and clay	...	...	...	...	...	1	1	6			
Blue clay	...	...	...	...	...	0	2	6			
<b>COAL</b>	...	...	...	...	...	1	0				
Blue stone	...	...	...	...	...	0	7				
<b>COAL</b>	...	...	...	...	...	0	5				
									0	2	0
									2	0	0
Blue and grey stone	...	...	...	...	...	3	3	0			
<b>COAL</b>	...	...	...	...	...	0	1	0			
									3	4	0
Total	...	...	...	...	...				5	4	0

## No. 1,981.—THORNTON.

TOWNSHIP OF WEST THORNTON, NORTHUMBERLAND.

Sheet 63 of Ordnance Map. Lat. , Long.

*Third Place bored at 100 yards West from the Second.*

Approximate surface level feet above sea (Ordnance datum).

						Fs.	Ft.	In.	Fs.	Ft.	In.
Soil, red sand, and clay	...	...	...	...	...	0	4	5			
Blue clay	...	...	...	...	...	2	1	6			
Rambly blue stone	...	...	...	...	...	2	0	0			
									Ft.	In.	
<b>COAL</b>	...	...	...	...	...	0		7			
Stone	...	...	...	...	...	0		8			
<b>COAL</b>	...	...	...	...	...	0		3			
							0	1	6		
									5	1	5
Total	...	...	...	...	...				5	1	5

## No. 1,982.—THRISLINGTON.

TOWNSHIP OF THRISLINGTON, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

*Boring in the First Hole at Thrislington, about 350 yards North by East of the Hall, and where the Owners afterwards sunk the Pit. October 21st, 1835.*

Approximate surface level feet above sea (Ordnance datum).

						Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and limestone											
ramble	...	...	0	3	0						
Brown limestone, with											
partings	...	...	1	4	0						
White, blue, and red											
metal and thin iron											
girdles	...	...	3	2	6						
Carried forward			5	3	6						
Brought forward			5	3	6						
Black metal	...	...	0	0	7						
Blue and red metal,											
with ironstone gir-											
dles	...	...	1	4	11						
Hard red girdles	...	...	0	0	11						
Red and blue metal...	...	...	4	0	1						
Carried forward			11	4	0						

## No. 1,982.—THRISLINGTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	11	4	0			
Red and brown scared post ...	0	1	6			
Red and blue metal and metal stone, with post girdles ...	2	0	11			
Black metal ...	0	0	7			
Red and blue metal ...	0	5	0			
Blue metal and metal stone, with post girdles ...	4	0	0			
COAL, soft and brassy and rather foul ...	0	1	0			
Grey metal and metal stone and post girdles ...	3	2	0			
Strong whitish grey post ...	0	2	6			
Grey post ...	0	2	6			
Grey metal and metal stone, soft and rather dark the last 12 inches ...	2	1	0			

*Main Coal Seam—*

	Ft.	In.
COAL, strong, rather coarse	1	8
Grey metal band ...	0	10
COAL, good	3	2
COAL, coarse and rather foul ...	0	7
	—	1 0 3
	—	26 3 3

*Bored further, April 24th, 1837 :—*

A square box ...	3	0	6
Grey metal stone ...	1	4	0
White post ...	1	2	0
Blue metal ...	0	1	6
Black metal ...	0	0	4
Grey metal and metal stone ...	3	2	0
Grey metal stone, inclining to post ...	3	0	0
COAL, foul... ..	0	1	2
	—	12	5 6
Grey metal stone ...	0	1	0
Strong white post, with water ...	8	4	9

Carried forward 8 5 9 39 2 9

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	8	5	9	39	2	9
Grey metal and metal stone, rather strong, with post girdles ...	3	1	9			
Strong white post, with water ...	0	3	0			

*Low Main Seam—*

	Ft.	In.
COAL, with water ...	2	10
COAL, coarse	0	3
	—	0 3 1
	—	13 1 7
Grey metal ...	0	0 3
Grey post ...	4	1 0
Grey metal stone ...	1	3 0
COAL ...	0	1 7
	—	5 5 10

Grey metal ...	0	2	0
Black metal ...	0	2	2
Grey metal ...	0	4	0
Strong white post, with metal partings	0	5	0
Black metal ...	0	5	8
Grey post ...	0	3	5
White post ...	0	4	6
Whin ...	1	2	8
Blue metal ...	0	5	0

*Top Hutton Seam—*

	Ft.	In.
COAL, tender	1	2
COAL, slaty and rather foul ...	0	8
	—	0 1 10
	—	7 0 3

Grey metal ...	0	3	0
Strong grey metal stone ...	4	0	4
COAL, slightly scared with brass at 3 to 12 inches from the top			
— Bottom Hutton Seam ...	0	1	8
	—	4	5 0
Black stone ...	0	0	6
Grey metal ...	0	3	0
Into strong white post	1	0	0
	—	1	3 6

Total ... 72 0 11

## No. 1,983.—THRISLINGTON.

TOWNSHIP OF THRISLINGTON, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

*Account of Boring in the Second Hole at Thrislington, about 200 yards North from the First. December 14th, 1835.*

Approximate surface level feet above sea (Ordnance datum).

---

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	2	0			
Brown and blue clay, mixed with sand and some small stones, with a sipping of water near the top	14	4	0			
				15	0	0
Total ... ..				15	0	0

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## No. 1,984.—THRISLINGTON.

TOWNSHIP OF THRISLINGTON, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

*Account of Boring in the Third Hole at Thrislington, about 100 yards North from the First. December 22, 1835.*

Approximate level feet above sea (Ordnance datum).

---

	Fs.	Ft.	In.	Fs.	Ft.	In.
Sand and gravel ... ..	3	1	3			
Limestone ramble ... ..	1	5	9			
Brown sandy post ... ..	0	0	4			
White and blue metal ... ..	0	2	8			
				5	4	0
Total ... ..				5	4	0

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## No. 1,986.—THRISLINGTON.

TOWNSHIP OF THRISLINGTON, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

*Account of Boring in the Fifth Hole in Thrislington Estate, in the Wood, about 150 yards West from the First Hole. April 30th, 1836.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brown stony clay ...	2	3	0				Brought forward	4	3	6	6	4	0
Brown ramby free-stone, with water...	0	4	0				<b>COAL</b> ...	0	0	2			
(Box, 14 feet 4 inches long.)							Dark metal ...	0	0	2			
Blue metal ...	0	1	0				<b>COAL</b> , rather foul near the bottom ...	0	0	11			
Grey and brown scamy post ...	2	1	0								4	4	9
Blue metal ...	0	0	6				Grey metal stone ...	2	3	3			
<b>COAL</b> , foul...	0	0	3				Strong white post, mixed with whin ...	0	2	7			
Blue metal, scared with coal ...	0	1	2				Grey metal and metal stone (metal the last 3 inches, with post girdles) ...	3	2	9			
<b>COAL</b> , coarse splinty, with a strong feeder of water ...	0	5	1				<b>COAL</b> ...	0	1	6			
				6	4	0	Grey metal ...	0	0	9			
Grey metal and metal stone (metal the last 6 inches) ...	4	3	6				<b>COAL</b> ...	0	3	6			
											7	2	4
Carried forward	4	3	6	6	4	0	In grey metal ...				0	1	0
							Total ...				19	0	1

## No. 1,987.—THRISLINGTON.

TOWNSHIP OF THRISLINGTON, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

*Account of Boring in the Sixth Hole in Thrislington Estate. May 19th, 1836.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brown clay ...	1	1	0				Brought forward	7	5	6			
Red, white, and blue metal ...	1	0	0				Grey metal ...	2	3	6			
Brown scamy post ...	3	5	6				Grey post, mixed with whin the last 12 inches ...	0	4	0			
<b>COAL</b> ...	0	0	2				Strong grey metal stone, with post girdles ...	1	3	4			
Grey metal ...	0	0	2										
<b>COAL</b> ...	0	1	2										
Brown scamy post, mixed with metal with water ...	1	3	6										
Carried forward	7	5	6				Carried forward	12	4	4			

## No. 1,987.—THRISLINGTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	12	4	4				Brought forward				13	4	4
COAL ... ..	0	1	7				In grey metal ...				0	0	2
Grey metal ... ..	0	0	9										
COAL ... ..	0	3	8										
				13	4	4							
Carried forward				13	4	4	Total ... ..				13	4	6

## No. 1,988.—THRISLINGTON.

TOWNSHIP OF THRISLINGTON, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

*Account of Boring in the Seventh Hole in Thrislington Estate. June 6th, 1836.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Gravel, sand, and water ... ..	1	4	0			
Soft brown post, with water ... ..	2	1	0			
Blue metal ... ..	0	5	0			
Grey metal, mixed with coal ... ..	0	1	6			
COAL, with water ... ..	0	5	0			
				5	4	6
In grey metal ... ..				0	0	6
Total ... ..				5	5	0

## No. 1,989.—THRISLINGTON.

TOWNSHIP OF THRISLINGTON, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

*Account of Boring in the Eighth Hole at Thrislington. June 8th, 1836.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Red and blue metal ... ..	3	0	0				Brought forward	5	3	6			
Soft scamy post ... ..	0	3	0				Blue and grey metal						
White metal ... ..	0	1	0				and metal stone,						
COAL, soft foul ... ..	0	0	8				with strong post						
Scamy post ... ..	1	3	4				girdles ... ..	5	1	9			
Strong white post,							COAL ... ..	0	1	7			
with water ... ..	0	1	6				Grey metal ... ..	0	1	0			
							COAL ... ..	0	3	1			
											11	4	11
Carried forward	5	3	6				Grey metal ... ..				0	0	9
							Total ... ..				11	5	8

## No. 1,990.—THRISLINGTON.

TOWNSHIP OF THRISLINGTON, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

*Account of Boring in the Ninth Hole in Thrislington Estate. June 20th, 1836.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Gravel and sand, with water ... ..	3	4	0				Brought forward	14	0	0			
Blue stony clay ... ..	7	1	3				Metal and limestone marl ... ..	0	3	6			
Soft brown ramble freestone, mixed with clay ... ..	0	0	9				Red and blue metal ...	0	5	6			
Marl and freestone ramble ... ..	1	0	0				<b>COAL</b> , foul... ..	0	1	1			
Red metal ... ..	0	1	0								15	4	1
Marl, mixed with clay	1	2	0				Loose limestone and clay ... ..	0	5	0			
Red and blue metal ...	0	3	0				Blue metal ... ..	0	5	3			
							Strong red post ...	0	0	8			
Carried forward	14	0	0								1	4	11
							Total ... ..				17	3	0

## No. 1,991.—THRISLINGTON.

TOWNSHIP OF THRISLINGTON, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

*Account of Boring in the Eleventh Hole in Thrislington Estate, 200 yards North from the First Pit. March 6th, 1837.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Blue stony clay ... ..	14	0	0				Brought forward	8	2	7	18	0	9
Red clay ... ..	0	3	0				Grey metal ... ..	0	0	1			
Gulley limestone ... ..	1	0	3				<b>COAL</b> ... ..	0	0	1			
Sand ... ..	0	2	0				Grey metal ... ..	0	0	3			
Red and grey metal...	0	1	0				<b>COAL</b> ... ..	0	0	4			
Limestone ... ..	1	0	0				Grey metal ... ..	0	0	4			
Brown post, with water ... ..	0	2	0				<b>COAL</b> , soft... ..	0	0	3			
Red and blue metal ...	0	1	6				<b>COAL</b> ... ..	0	1	2			
Sand ... ..	0	0	6				Grey metal ... ..	4	1	8			
Dark metal ... ..	0	2	6				<b>COAL</b> ... ..	0	0	6			
				18	0	9	Grey metal ... ..	0	0	3			
White post, with water ... ..	2	0	0				Black metal ... ..	0	0	3			
Grey metal stone ... ..	3	5	3				Dark grey metal ...	0	0	9			
Black stone ... ..	0	1	2				<i>Supposed Five-Quarter Seam—</i>						
Grey metal ... ..	0	3	6				<i>Ft. In.</i>						
Black stone ... ..	0	1	10				<b>COAL</b> , with water ... ..	3	8				
Grey metal stone, with girdles ... ..	1	2	6				<b>COAL</b> , splinty	1	5				
<b>COAL</b> ... ..	0	0	4								0	5	1
											14	1	7
Carried forward	8	2	7	18	0	9	Total ... ..				32	2	4



## No. 1,992.—THRISLINGTON.

TOWNSHIP OF THRISLINGTON, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

*Account of Boring in the Twelfth Hole in Thrislington Estate, in a Field on the North Side of the Clarence Railway, named Whinney Hill. November 2nd, 1837.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Stony clay ...	1	1	0				Brought forward	27	0	0			
Brown limestone ...	13	3	3				Grey metal, mixed						
White post ...	0	5	0				with coal ...	0	1	0			
Grey metal ...	2	5	7								27	1	0
Red post ...	3	1	2				Black metal ...	0	2	0			
White post ...	0	3	2				Light grey metal ...	0	2	6			
Red post, mixed with							White post ...	0	1	3			
whin the last 7							Grey metal ...	0	2	1			
inches ...	0	3	7				Whin, got Dec. 6th;						
Red and blue metal...	1	1	0				left off Jan. 11th...	2	5	2			
Grey metal stone ...	3	0	3								4	1	0
Carried forward	27	0	0				Total ...				31	2	0

## No. 1993.—THRISLINGTON.

TOWNSHIP OF THRISLINGTON, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

*Account of Boring in Thrislington Coal Pit, in the Drift over the North Dyke, October 20th, 1837.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Strong white post, mixed with whin ...	0	3	8			
Blue metal, with girdles ...	1	0	4			
COAL ...	0	1	9			
Band of grey metal ...	0	0	9			
COAL ...	0	5	3			
				2	5	9
Total ...	2	5	9			

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## No. 1,994.—THRISLINGTON.

TOWNSHIP OF THRISLINGTON, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

*Account of the Boring in Thrislington Estate, about 213 yards East from the Old Coal Pit. August 29th, 1839.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay... ..	0	4	0				Brought forward	1	5	0	11	1	0
Limestone ramble ...	0	3	0				Black metal ... ..	0	0	5			
Strong brown lime- stone, with water at 8 fathoms from the top ... ..	10	0	0	11	1	0	Red and grey metal...	1	1	0			
							Strong red post ...	0	1	2			
White metal ... ..	0	3	6				Red and grey metal...	0	4	0			
Red metal ... ..	1	0	3				Whin ... ..	0	2	1			
Red and grey metal...	0	1	3				Blue metal, with girdles ... ..	7	3	4	11	5	0
Carried forward	1	5	0	11	1	0	Total ... ..				23	0	0

## No. 1,995.—THRISLINGTON.

TOWNSHIP OF THRISLINGTON DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

*An Account of the Boring in Thrislington Royalty, about 80 yards South from the Little Five-Quarter Pit. January 18th, 1851.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	2	0				Brought forward	1	3	7	5	2	4
Brown clay ... ..	2	0	0				Grey metal, mixed with post ... ..	5	0	1			
Brown metal ... ..	2	4	8				COAL, soft... ..	0	0	11			
COAL, soft, and water ... ..	0	1	8	5	2	4	Rods dropped into the Old Main Coal waste ... ..	0	4	10	7	3	5
Grey metal ... ..	0	2	0				Grey metal ... ..	0	3	3			
Brown and grey metal	0	4	0				Grey metal stone ...	0	5	6			
Brown and grey post	0	3	7				Carried forward	1	2	9	12	5	9
Carried forward	1	3	7	5	2	4							

## No. 1,995.—THRISLINGTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	2	9	12	5	9	Brought forward	13	3	7	37	4	4
Black metal ...	0	1	6				<i>Hutton Seam</i> —						
Black metal ...	0	1	6					Ft.	In.				
Grey metal stone ...	2	3	8				COAL ...	1	3				
Soft grey metal ...	0	2	2				COAL, danty	0	1				
Grey metal, mixed							COAL, brassy	0	5				
with coal ...	0	1	8							0	1	9	
				5	1	3					13	5	4
Grey metal stone ...	3	0	0				Metal stone ...			4	1	0	
COAL, soft...	0	1	4				COAL, soft (part of						
				3	1	4	<i>Hutton Seam</i> ) ...			0	1	10	
Grey metal stone ...	3	2	6								4	2	10
COAL ...	0	0	10				Grey metal ...	1	2	0			
				3	3	4	Strong white post,						
Grey metal ...	3	0	8				mixed with whin ...	3	0	9			
White post ...	0	3	1				Grey metal stone ...	4	2	6			
Grey metal stone ...	0	4	0				White post ...	0	3	6			
White post ...	3	4	0				Grey metal stone ...	1	5	0			
Grey metal stone ...	1	2	0				White post ...	0	2	0			
Strong white post ...	0	4	7				Grey metal stone ...	0	3	0			
Strong metal stone ...	1	2	1				Whin ...	0	0	6			
White post ...	0	5	4				Grey metal ...	3	1	6			
COAL, strong— <i>Low</i>							Grey post ...	0	1	10			
<i>Main Seam</i> ...	0	2	11				Whin ...	0	0	1	9		
				12	4	8	Grey post ...	2	2	0			
Grey metal ...	0	0	9				Grey metal ...	4	0	0			
<i>Bored further :—</i>							Grey and white post,						
Grey metal ...	0	1	6				mixed with whin ...	6	0	6			
White post ...	1	1	0				Grey metal, with gir-						
Grey metal stone ...	4	2	0				dles ...	2	3	7			
COAL, soft...	0	1	6				<i>Harvey Seam</i> —						
Grey metal ...	2	0	8					Ft.	In.				
COAL ...	0	0	6				COAL, good	4	0				
Dark metal ...	0	4	6				COAL, bad	0	1				
Grey metal ...	1	0	0							0	4	1	
White post ...	2	3	8								31	4	6
Metal stone ...	0	5	6				Dark grey metal ...				0	1	1
Carried forward	13	3	7	37	4	4	Total ...				88	0	1

## No. 1,996.—THRISLINGTON.

TOWNSHIP OF THRISLINGTON, DURHAM.

Sheet 35 of Ordnance Map. Lat. 54° 41' 56", Long. 1° 31' 8".

*Strata sunk through at the Jane Pit, Thrislington Colliery. 1867.*

Approximate surface level 410 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset ...	1	2	0				Brought forward	3	0	0			
Soil and gravel ...	1	4	0				Marl ...	2	3	0			
							Limestone ...	16	3	0			
											22	0	0
Carried forward	3	0	0				Carried forward	22	0	0			

## No. 1,996.—THRISLINGTON.—CONTINUED.

Brought forward			Fs.	Ft.	In.	Fs.	Ft.	In.		
			22	0	0					
Black metal ...	...	...	0	4	0					
Grey metal ...	...	...	2	2	0					
Post ...	...	...	0	4	0					
Grey metal ...	...	...	2	3	0					
Grey metal, scared										
with coal ...	...	...	2	1	0					
<b>Main Coal Seam Waste</b>	...	...	0	5	6					
			9	1	6					
Fire clay ...	...	...	0	2	6					
Grey metal ...	...	...	2	2	0					
Strong grey metal ...	...	...	0	3	0					
Hard grey post ...	...	...	1	3	6					
Black metal ...	...	...	0	1	10					
Strong grey metal ...	...	...	3	3	8					
<b>COAL</b> ...	...	...	0	1	2					
			8	5	8					
Fire clay ...	...	...	0	1	10					
Strong grey metal,										
with ironstone gir-										
dles ...	...	...	1	4	0					
<b>COAL</b> ...	...	...	0	0	4					
			2	0	2					
Strong grey metal,										
with post girdles ...	...	...	3	2	8					
Hard white post ...	...	...	1	0	0					
Whin girdle ...	...	...	0	2	0					
Hard grey post ...	...	...	1	0	0					
Strong grey metal,										
with post girdles ...	...	...	2	0	0					
Post ...	...	...	1	4	0					
Strong grey metal,										
with post girdles ...	...	...	4	2	6					
<b>Low Main Seam—</b>										
Post girdle...	Ft.	In.	2	0						
<b>COAL</b> ...	...	...	2	6						
			0	4	6					
			14	3	8					
Strong grey metal ...	...	...	0	5	7					
Hard white post ...	...	...	4	0	2					
Dark grey metal ...	...	...	1	4	0					
<b>COAL</b> ...	...	...	0	1	10					
Fire clay ...	...	...	0	1	6					
White post girdle ...	...	...	0	1	10					
Blue metal ...	...	...	0	0	7					
<b>COAL</b> ...	...	...	0	0	7					
Dark blue metal ...	...	...	0	4	8					
<b>COAL</b> ...	...	...	0	0	6					
Post ...	...	...	2	0	4					
<b>COAL</b> , foul... ..	...	...	0	0	6					
Fire clay ...	...	...	0	2	6					
Blue metal ...										
			4	0	3					
<b>COAL—Hutton Seam</b>	...	...	0	1	10					
			15	5	5					
Carried forward			72	4	5					

Brought forward			Fs.	Ft.	In.	Fs.	Ft.	In.		
			72	4	5					
Fire clay ...	...	...	0	1	2					
Grey metal ...	...	...	0	5	0					
Hard white post ...	...	...	15	0	0					
Blue metal ...	...	...	4	2	0					
Hard white post ...	...	...	8	0	0					
Blue metal ...	...	...	2	0	3					
<b>COAL — Harvey</b>										
<i>Seam</i> ...	...	...	0	4	4					
			31	0						
Total sunk			...	103	5	2				
<i>Bored further, Flor-</i>										
<i>ence Pit:—</i>										
Grey metal ...	...	...	16	5	6					
<b>COAL</b> ...	...	...	0	0	9					
			17	0	3					
Grey metal ...	...	...	0	1	6					
<b>COAL</b> ...	...	...	0	1	0					
			0	2	6					
Grey metal ...	...	...	4	5	0					
Dark metal ...	...	...	0	0	8					
<b>COAL</b> ...	...	...	0	2	11					
			5	2	7					
Grey metal ...	...	...	0	3	0					
Grey post ...	...	...	0	3	9					
<b>COAL</b> ...	...	...	0	1	9					
			1	2	6					
Grey metal ...	...	...	0	2	4					
<b>COAL</b> ...	...	...	0	0	6					
			0	2	10					
Grey metal and a post										
girdle ...	...	...	7	2	0					
Grey post ...	...	...	0	3	0					
<b>COAL</b> ...	...	...	0	0	6					
			7	5	6					
Grey post ...	...	...	0	5	0					
Grey metal and post										
girdles ...	...	...	5	1	0					
Grey and white posts	...	...	2	0	6					
<b>COAL</b> ...	...	...	0	0	3					
			8	0	9					
White and grey post	...	...	5	2	0					
<b>COAL</b> ...	...	...	0	1	2					
			5	3	2					
Grey metal and post										
girdles ...	...	...	6	4	0					
Grey post ...	...	...	1	1	0					
			7	5	0					
Total sunk and bored			158	0	3					

\* Approximate sea level (Ordnance datum).



## No. 1,997.—THROCKLEY.

TOWNSHIP OF THROCKLEY, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat.

, Long.

*Boring in the First Place in the Turnip Field near Throckley, and in E. Nicholson's Banks. 1752.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and sandy gravel	0	4	0				Brought forward	2	4	3	14	1	3
Stony clay ...	0	5	0				Strong white post,						
Mossy sand and chan-							mixed with whin ...	0	0	9			
nel, with a siping							Grey post ...	0	4	0			
of water ...	1	3	0				Soft rotten brown						
				3	0	0	post, with much						
Brown and grey ram-							water ...	0	5	3			
bly stone ...	0	1	6				Whin ...	0	0	4			
Brown and grey post	0	3	0				White and grey scamy						
Grey metal ...	0	0	5				post, with partings	0	5	2			
COAL, with water...	0	1	1				Grey and blue metal	0	1	0			
				1	0	0	Strong grey post ...	0	2	0			
Soft grey metal stone,							An open gullet ...	0	0	4			
with girdles or cat-							Grey and white post,						
heads, and water in							with metal partings	0	5	6			
some places ...	3	3	0				Grey metal stone ...	0	1	2			
Grey, green, and brown							COAL ...	0	3	11			
scamy metal ...	0	3	0								7	3	8
Grey metal stone ...	1	3	0				Grey metal ...	0	2	6			
A post girdle or lump	0	0	3				Grey metal, with black						
Black grey slaty metal	0	5	0				scames ...	0	0	9			
Grey metal, with gir-							Grey metal stone ...	0	1	6			
dles or catheads ...	3	0	0				Strong white post,						
COAL ...	0	0	8				mixed with whin ...	0	0	5			
				9	2	11	In grey metal stone...	0	2	5			
Blue and grey metal,											1	1	7
with girdles or cat-													
heads ...	0	3	9										
COAL ...	0	0	7										
				0	4	4							
Grey post ...	0	1	6										
Grey metal ...	0	4	9										
Open grey and white													
post, with much													
water ...	1	4	0										
Carried forward	2	4	3	14	1	3	Total ...				23	0	6

## No. 1,998.—THROCKLEY.

TOWNSHIP OF THROCKLEY, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat. , Long.

*Account of the Boring in the Second Place in the Turnip Field near Throckley, about 100 yards to the East from the First. 1752.*

Approximate surface level feet above sea (Ordnance datum).

						Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and brown stony clay	...	...	...	...	...	1	3	6			
Blue sleeky sand	...	...	...	...	...	0	2	0			
Brown sandy channel, with water	...	...	...	...	...	0	3	6			
									2	3	0
Brown and grey ramby stone	...	...	...	...	...	1	0	0			
Grey post, with water near the bottom	...	...	...	...	...	0	3	0			
<b>COAL</b>	...	...	...	...	...	0	1	1			
									1	4	1
In grey and black scamy metal	...	...	...	...	...				0	1	0
Total	...	...	...	...	...				4	2	1

## No. 1,999.—THROCKLEY.

TOWNSHIP OF THROCKLEY, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat. , Long.

*Account of the Third or West Borehole at Throckley.*

Approximate surface level feet above sea (Ordnance datum).

				Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	...	...	...	0	0	6				Brought forward	10	3	0			
Brown sandy clay	...	...	...	0	1	0										
Stony gravel, with water	...	...	...	2	3	6				<b>COAL</b>						
Blue stony clay	...	...	...	0	4	0										
Brown ramble	...	...	...	0	5	6				...	1	8				
Brown post	...	...	...	3	0	0				Grey metal, mixed with coal	...	1	2			
White post, mixed with whin	...	...	...	0	2	6				<b>COAL</b>	...	0	6			
Brown and white post	...	...	...	1	4	0								0	3	4
Grey metal, with water	...	...	...	1	0	0								11	0	4
										Grey metal, mixed with coal	...	0	0	6		
										Grey metal	...	4	5	2		
										Grey post	...	1	0	0		
										Brown post, with water	...	3	0	0		
Carried forward	10	3	0							Carried forward	8	5	8	11	0	4

## No. 1,999.—THROCKLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	8	5	8	11	0	4	Brought forward	32	1	3			
White post ...	0	5	0				Grey metal ...	0	3	0			
Grey metal ...	0	1	10				Grey post ...	0	3	0			
COAL ...	0	1	8				Grey metal ...	0	3	0			
				10	2	2	White post, with water	1	3	0			
Seggar clay ...	0	2	0				Grey post ...	0	5	0			
White post, with metal							Grey metal stone, with						
partings ...	1	3	0				post girdles ...	1	0	0			
Dark grey metal ...	0	2	0				Dark metal ...	0	4	9			
COAL ...	0	0	6				COAL ...	0	0	3			
				2	1	6					5	4	0
Grey metal, with post							Seggar clay ...	0	3	0			
girdles ...	2	0	0				Grey metal ...	1	1	6			
Grey post, with water	0	4	0				Grey metal, mixed						
White post, with water	3	0	0				with coal ...	0	2	6			
Grey metal ...	0	2	6				Grey metal, with post						
COAL ...	0	1	0				girdles ...	1	5	4			
				6	1	6	COAL ...	0	1	0			
Grey metal stone ...	0	5	0								4	1	4
Grey post ...	1	1	0				Grey metal, with post						
Grey metal ...	0	0	4				girdles ...	4	1	0			
COAL ...	0	1	5				White post, with water	3	4	2			
				2	1	9					7	5	2
Carried forward				32	1	3	Total ...				49	5	9

## No. 2,000.—THROCKLEY.

TOWNSHIP OF THROCKLEY, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat. , Long.

*Account of the Fourth Borehole at Throckley, about 100 yards from South-west corner of Mr. Stephenson's House.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	2	0				Brought forward	5	3	7	16	3	11
Brown clay ...	0	4	0				Black metal ...	0	3	0			
Brown ramble ...	1	0	0				Grey metal stone ...	2	5	6			
Brown post ...	9	1	0				White post ...	0	2	0			
Black metal ...	0	1	0				Whin (got Aug. 3rd ;						
Brown post ...	2	5	0				through Sept. 7th)	1	1	0			
Grey metal ...	2	1	8				White post, with metal						
COAL ...	0	1	3				partings ...	1	1	4			
				16	3	11	Grey metal ...	2	2	0			
Grey metal ...	1	0	0				Grey metal stone, with						
Brown post, with							post girdles ...	1	1	0			
water ...	2	3	7				White post ...	4	0	8			
Grey metal ...	2	0	0				Grey metal stone ...	0	1	8			
Carried forward	5	3	7	16	3	11	Carried forward	19	3	9	16	3	11

## No. 2,000.—THROCKLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	19	3	9	16	3	11	Brought forward				51	1	2
<i>Engine Seam</i> —							Seggar clay ...	0	3	0			
COAL ...	3	9					Grey metal stone and						
Dark metal,							post girdles ...	1	0	0			
mixed with							White post ...	0	4	10			
coal ...	0	2					Whin (got Nov. 15th,						
COAL ...	0	1					through Dec. 4th)	0	2	6			
			0	4	0		White post ...	3	3	6			
				20	1	9	Grey metal stone and						
Grey metal ...			1	0	0		post girdles ...	1	2	6			
COAL ...			0	1	0		COAL ...	0	1	3			
				1	1	0					7	5	7
Grey metal ...			0	2	0		Grey metal, mixed						
White post ...			3	0	4		with coal ...	0	1	1			
COAL ...			0	1	8		COAL ...	0	0	3			
				3	4	0	Grey metal, mixed						
Grey metal or seggar							with coal ...	0	0	4			
clay ...			0	2	0		Grey metal stone and						
Grey metal, with post							post girdles ...	4	0	0			
girdles ...			0	5	0		White post ...	1	5	2			
White post ...			0	5	0		COAL, foul...	0	0	6			
Whin ...			0	0	6		Soft grey metal ...	0	1	6			
Grey metal ...			0	4	0		Grey metal stone and						
Grey metal stone and							post girdles ...	1	1	9			
post girdles ...			3	1	4		COAL, foul...	0	0	2			
COAL ...			0	2	2		Blue metal ...	0	2	0			
				6	2	0	Grey metal stone ...	1	3	6			
Grey metal or seggar													
clay ...			0	1	10		<i>Splint Seam</i> —						
Grey metal stone and							COAL ...		Ft.	In.			
post girdles ...			1	3	0		COAL ...		2	8			
White post ...			0	2	0		COAL, splint ...		0	2			
Grey metal stone ...			0	1	6		Seggar clay...		2	5			
COAL ...			0	0	6		COAL ...		0	3			
				2	2	10					0	5	6
Grey metal stone ...			0	1	3						10	3	9
COAL— <i>Main Coal</i>							In grey thill ...				0	0	1
<i>Seam</i> ...			0	2	5								
				0	3	8							
Carried forward				51	1	2	Total ...				69	4	7

## No. 2,001.—THROCKLEY.

TOWNSHIP OF THROCKLEY, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat. , Long.

Bored near Throckley, about 350 yards to the North-west from the Smith's Shop North of Throckley. May 20th, 1752.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Grey metal, with post							Brought forward	5	0	0			
girdles ...	5	0	0				Grey metal, with post						
							girdles and water...	1	2	6			
Carried forward	5	0	0				Carried forward	6	2	6			



## No. 2,001.—THROCKLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	6	2	6				Brought forward	14	3	2			
COAL, foul...	0	0	7				Grey metal, with post						
				6	3	1	girdles ...	0	1	0			
Grey metal, with post							Grey girdly post, with						
girdles ...	2	4	0				metal partings ...	0	4	0			
Green and grey post	1	4	0				COAL ...	0	1	8			
Whin ...	0	1	0								1	0	8
White and grey post	3	2	6				Grey metal ...	0	1	0			
COAL, foul...	0	0	7				In grey metal stone...	0	0	6			
				8	0	1					0	1	6
Carried forward				14	3	2	Total ...				15	5	4

## No. 2,002.—THROCKLEY.

TOWNSHIP OF THROCKLEY, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat. , Long.

*Second Place bored at Throckley, about 100 yards to the North-west from the First Place. In Madio's Pasture. June 1st, 1752.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and brown clay...	1	0	0				Brought forward	6	5	0	5	0	10
Leafy clay, with a							Grey metal stone ...	1	0	0			
siping of water ...	1	0	0				Grey post ...	0	4	0			
Sand and soft red clay,							Whin ...	0	0	4			
with water ...	0	1	6				A soft grey sandy						
				2	1	6	parting or gut ...	0	2	0			
Green and grey post	1	3	0				Brown post, with grey						
COAL, foul...	0	0	6				scames and set away						
				1	3	6	the water ...	3	4	6			
Grey metal, with post							COAL, foul...	0	0	5			
girdles ...	1	0	0								12	4	3
COAL, but foul at							Grey and blue metal						
the bottom ...	0	1	10				stone ...	1	0	0			
				1	1	10	Brown and grey post,						
Grey metal ...	0	2	0				with metal partings	2	1	0			
Grey post ...	1	0	0				Blue metal ...	0	0	3			
Brown post, with open							COAL ...	0	4	10			
girdles near the											4	0	1
bottom ...	1	3	0				In white metal ...				0	0	2
Blue and grey metal	3	0	0										
Black metal ...	1	0	0				Total ...				21	5	4
Carried forward	6	5	0	5	0	10							

## No. 2,003.—THROCKLEY.

TOWNSHIP OF THROCKLEY, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat. , Long.

*Account of the Boring in the Fifth Place in Throckley Banks, about 90 yards to the East from the Fourth Place, near the Engine Pit, Wm. Greer's Bank. Oct. 20th, 1752.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay ...	0	3	0				Brought forward	7	4	0	3	2	10
Gravelly clay ...	1	0	0				White post, with a mixture of whin girdles or lumps ...	3	5	0			
Soft stony clay, with water at the bottom	1	0	6				<b>COAL</b> ...	0	0	4			
Brown and grey ram- bly stone ...	0	4	2				Grey metal ...	0	3	0			
<b>COAL</b> , with water...	0	1	2				<b>COAL</b> , hard, foul, brassy ...	0	0	6			
				3	2	10					12	0	10
Grey metal stone, with brown and grey girdles ...	2	0	0				Strong white post ...	0	0	9			
Grey and brown ram- bly post, with water ...	1	0	0				Blue metal ...	0	1	0			
Grey metal, with some small girdles or cat- heads ...	2	1	0				Grey metal ...	1	0	0			
Black metal, with some small sparkles of coal in it ...	0	3	6				White post ...	0	2	0			
Grey post, with grey scamy partings ...	1	4	6				A metal parting ...	0	0	9			
Open post, and settled the water 2 feet ...	0	1	0				White post ...	0	3	0			
							Strong white post, with much water...	3	0	0			
							White post, with grey scamy partings ...	2	2	0			
							Grey metal ...	0	0	8			
							<b>COAL</b> , hard slaty ...	1	1				
							<b>COAL</b> , with water ...	3	3				
										0	4	4	
Carried forward	7	4	0	3	2	10	In grey metal ...				8	2	6
											0	0	4
							Total ...				24	0	6

## No. 2,004.—THROCKLEY.

TOWNSHIP OF THROCKLEY, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat. , Long.

*Sixth Place near Throckley, on the Bank about 600 yards to the South from the Town, about 80 yards from the foot of the West Awards. 1752.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay ...	2	0	0				Brought forward	5	3	0			
Ramble ...	1	1	6				Brown and grey metal, with water ...	0	3	0			
Brown post ...	2	1	6										
Carried forward	5	3	0				Carried forward	6	0	0			

## No. 2,004.—THROCKLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	6	0	0				Brought forward	22	1	3			
Brown and white post	2	0	0				Grey metal stone ...	0	4	9			
Grey post ...	0	1	6				<b>COAL</b> ...	0	0	8			
White and brown post, with metal partings	2	0	6								0	5	5
Grey metal, with post girdles ...	1	0	0				Blue grey metal ...	1	4	0			
<b>COAL</b> ...	0	1	4	11	3	4	White post, with much water ...	1	0	0			
							White post, mixed with whin ...	6	0	0			
Grey metal, with post girdles ...	1	4	8				Blue metal, with post girdles ...	0	2	6			
White post ...	1	4	0										
Grey metal, with post girdles and water...	2	3	0				<b>COAL</b> ...	Ft. In. 0	9				
Black stone ...	1	0	0				<b>COAL</b> , hard scare, bandy	0	5				
Grey post ...	1	3	0				<b>COAL</b> , with water ...	3	7				
Blue metal ...	0	5	0							0	4	9	
White post, with water	1	2	0										9
<b>COAL</b> ...	0	0	3	10	3	11	In grey metal ...						0
													0
Carried forward	22	1	3				Total ...				33	0	1

## No. 2,005.—THROCKLEY.

TOWNSHIP OF THROCKLEY, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat. 55° 0' 18", Long. 1° 45' 24".

*Account of the Boring in Old Pit Shaft on Throckley Fell, about 10 yards on the North Side of the Mill Race, and 300 yards West from the Mill. The first and eastmost Main Coal Pit laid dry by Dewley Burn Level. March 9th, 1756.*

Approximate surface level 270 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Box ...	0	1	0				Brought forward	0	3	4	6	2	8
Old borehole...	1	2	0				Grey metal stone, with post girdles or lumps and water ...	3	4	0			
Grey and blue metal, with post girdles ...	2	0	0				Blue metal, with water and rose to the scaf- fold ...	0	0	9			
White post, with scamy partings ...	1	1	6				Grey metal ...	0	2	0			
Grey metal ...	1	3	0				Grey metal stone, with post girdles ...	0	3	0			
<b>COAL</b> ...	0	1	2	6	2	8	Grey metal, with post girdles ...	1	4	6			
							<b>COAL</b> ...	0	0	3			
Soft grey and blue metal, with some scares of coal ...	0	3	4								6	5	10
Carried forward	0	3	4	6	2	8	Carried forward	13	2	6			

## No. 2,005.—THROCKLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				13	2	6	Brought forward	5	4	3	13	2	6
Grey metal, with post							COAL, jet or						
girdles ...	0	4	6				slaty ...	0	10				
White post ...	0	3	0				COAL ...	2	5				
An open parting, with							COAL, hard						
much water ...	0	0	2				splinty ...	0	9				
White post ...	3	0	0							0	4	0	
Open gully post,													6 2 3
with much water ...	0	0	10				Grey metal ...	0	1	9			
White thready post,							Black metal, mixed						
with water ...	1	1	4				with coal ...	0	0	6			
Grey metal ...	0	0	5				In grey metal stone...	0	0	10			
											0	3	1
Carried forward	5	4	3	13	2	6	Total ...				20	1	10

## No. 2,006.—THROCKLEY.

TOWNSHIP OF THROCKLEY, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat. 54° 59' 36", Long. 1° 46' 24".

*Account of the Boring in the Thistle Pit, near Throckley. March 25th, 1756.*

Approximate surface level 270 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Loose metal ...	0	3	0				Brought forward	4	4	6	4	4	
Grey and white post,							Grey thready post,						
with metal partings							with water ...	0	2	6			
and water in some							Grey metal stone ...	0	3	0			
places ...	3	5	8				Blue and grey metal	0	1	3			
							COAL ...	1	9				
COAL ...	0	10					Grey metal ...	1	2				
Grey metal,							COAL ...	0	7				
scared with										0	3	6	
coal ...	0	2											6 2 9
COAL ...	1	1					Grey metal and metal						
				0	2	1	stone, with post						
							girdles or lumps ...	2	3	0			
				4	4	9							
Grey metal ...	0	3	0										
Post girdles, with me-							COAL, coarse	0	5				
tal partings ...	0	4	6				Soft grey metal	0	11				
White post, with water	2	0	0				COAL ...	3	3				
Blue metal, with some										0	4	7	
small scares of coal													3 1 7
near the top ...	0	1	6				Soft grey metal ...	0	0	7			
Grey and blue metal							In grey metal, with						
stone ...	1	1	6				girdles or lumps ...	0	2	5			
											0	3	0
Carried forward	4	4	6	4	4	9	Total ...				15	0	1





## No. 2,008.—THROCKLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	4	0	0	15	0	0	Brought forward	4	0	1	23	5	7
Grey metal stone, with							Grey and blue metal						
metal partings ...	0	4	0				and metal stone,						
Strong grey post ...	0	2	6				with post girdles ...	2	0	0			
Whin ...	0	0	9				Grey and white post,						
Strong white post ...	0	0	9				with cashy partings						
Whin ...	0	0	7				and water, and rose						
Grey thready post,							to the waist ...	2	0	0			
with water ...	1	4	0				Strong white and grey						
Blue metal ...	1	1	4				post, with whin						
COAL, with Ft. In.							girdles and scamy						
water ...	0	8					partings ...	1	1	0			
Slate or scare							Grey and white post,						
band ...	0	1					with scamy partings	1	4	0			
COAL ...	0	6					Blue metal, with post						
				0	1	3	girdles and water...	0	1	2			
				8	3	2	A girdle or lump, with						
Soft grey metal, with							water ...	0	0	7			
water ...	0	2	2				Black slaty stone ...	0	0	10			
COAL ...	0	0	3										
				0	2	5							
Grey metal, scared							COAL ...						
with coal ...	0	0	7				Ft. In.						
Grey metal stone, with							COAL, hard	2	7				
post girdles ...	3	4	6				splinty ...	0	6				
Blue metal, with scares							COAL ...	0	3				
of coal ...	0	1	0					0	3	4			
											11	5	0
Carried forward	4	0	1	23	5	7	In grey metal ...				0	0	8
...													
							Total ...				35	5	3

## No. 2,009.—THROCKLEY.

TOWNSHIP OF THROCKLEY, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat. , Long.

*Account of the Boring, near Throckley, about 50 yards to the North-east from the Douccate Close Well and 50 yards North of the Waggonway. February 25th, 1761.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	2	1	6			
Brown stony clay ...	1	1	0				Blue grey metal ...	1	0	0			
Sand and channel,							Soft blue ramby metal	0	3	0			
with water and							Grey metal ...	1	2	6			
layers of clay ...	0	2	0				Grey scamy metal						
Stony clay ...	0	3	6				stone ...	0	5	0			
Carried forward	2	1	6										
							Carried forward	6	0	0			

## No. 2,009.—THROCKLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	6	0	0				Brought forward	16	3	0			
Brown ramblly post, with soft scamy partings ...	1	0	0				Blue grey metal ...	1	3	6			
Blue and brown scamy metal stone ...	1	3	0				Grey and white post, with water in some places ...	7	5	3			
Grey and brown scamy post ...	0	2	0				Grey metal ...	0	2	0			
White and grey post	0	3	0				<b>COAL</b> ...	0	0	2			
Brown thready post, with water and set away the water ...	4	0	0								26	1	11
Strong white and brown post ...	1	0	0				Grey metal stone, with post girdles ...	1	0	0			
Grey metal stone ...	0	1	0				<b>COAL</b> ...	0	0	2			
Black grey metal ...	0	1	6								1	0	2
Grey metal ...	1	3	0				Grey metal stone, with post girdles ...	1	3	3			
Black grey metal, with some scares of coal	0	1	6				<b>COAL</b> ...	0	1	7			
Carried forward	16	3	0								1	4	10
							In grey metal ...				0	0	3
							Total ...				29	1	2

## No. 2,010.—THROCKLEY.

TOWNSHIP OF THROCKLEY, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat. 54° 59' 29", Long. 1° 45' 25".

*Boring at Throckley Colliery, near the Waggonway and about 115 yards North from  
Fanny Pit. July 24th, 1770.*

Approximate surface level 150 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to the scaffold, about ...				1	2	6	Brought forward	29	1	3			
Blue grey metal ...	3	0	0				Grey metal ...	0	2	0			
Brown and grey gul- lety post and set away the water ...	9	2	0				Grey metal stone ...	3	0	0			
Whin mixture ...	0	2	6				<b>COAL</b> , with scares of brass near the bottom ...	0	1	10			
White and grey post, with strong girdles and scamy partings and water in several places ...	13	0	0								3	3	10
Grey metal ...	1	0	9				Grey metal, with scares of coal ...	0	0	5			
Strong white post ...	0	5	0				Strong grey metal stone ...	0	2	0			
<b>COAL</b> ...	0	0	6				Blue grey metal, with much water ...	0	4	0			
				27	4	9	Seft open parting, with water ...	0	0	8			
Carried forward	29	1	3				Strong white post, mixed with whin ...	0	2	0			
							Carried forward	1	3	1	32	5	1

## No. 2,010.—THROCKLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	3	1	32	5	1	Brought forward				44	1	2
Whin ...	0	1	4				Grey metal stone ...	0	2	3			
White post ...	0	2	0				Strong white post,						
Grey metal stone, with							mixed with whin						
strong girdles ...	4	1	6				and water in several						
Black stone ...	0	1	2				places ...	6	1	3			
Strong grey metal							Post girdles, with						
stone ...	3	0	0				metal partings and						
Whin ...	0	1	0				water ...	0	2	0			
Grey metal partings	0	0	3				<b>COAL</b> , but Ft. In.						
Whin ...	0	1	2				rather slaty	0	9				
Grey metal stone ...	0	1	3				Black slaty dant	0	2				
<b>COAL</b> ...	0	0	4				<b>COAL</b> ...	3	3				
				10	1	1				0	4	2	
Grey metal stone ...	1	0	6									7	3
<b>COAL</b> , foul... ..	0	0	6				In grey metal ...					0	0
				1	1	0							
Carried forward	44	1	2				Total ...				51	5	0

The bore-rods measured by George Wrightson.

## No. 2,011.—THROCKLEY.

TOWNSHIP OF THROCKLEY, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat.  $54^{\circ} 59' 51''$ , Long.  $1^{\circ} 45' 38''$ .

Bored in the Hill Pit, at Throckley, from the Engine Seam. 1773.

Approximate surface level 310 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to the Engine							Brought forward	2	4	3	52	1	1
Seam ...				42	1	4	Three Quarter Seam—						
Grey and blue metal							Ft. In.						
and metal stone ...	5	1	0				<b>COAL</b> ...	1	6				
Strong white post,							Blue metal ...	0	6				
with a mixture of							<b>COAL</b> ...	0	4				
whin ...	2	1	3						0	2	4		
<b>COAL</b> ...	0	2	2								3	0	7
				7	4	5	Grey metal stone and						
Grey metal stone, with							girdles ...	1	5	0			
post girdles ...	2	0	10				<b>COAL</b> —Main Coal						
<b>COAL</b> ...	0	0	6				Seam ...	0	3	1			
				2	1	4					2	2	1
Black metal ...	0	0	6				Grey metal ...	0	1	6			
Grey metal and metal							Strong white post,						
stone ...	1	0	9				with water ...	5	0	7			
White post, with water	0	4	6				Grey metal stone ...	1	2	6			
Grey metal ...	0	4	6				<b>COAL</b> , with water... ..	0	1	6			
											7	0	1
Carried forward	2	4	3	52	1	1	Carried forward				64	3	10



## No. 2,011.—THROCKLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				64	3	10	Brought forward	10	3	6	64	3	10
Grey metal, with water	0	1	6				<b>COAL</b> , with some						
Blue grey metal stone,							small danty scames						
with girdles and							and pieces of splint						
water in places ...	4	5	6				near the bottom and						
Strong white post,							water ...	0	3	1			
with water ...	5	2	6								11	0	7
							In grey metal ...				0	2	0
Carried forward	10	3	6	64	3	10	Total ...				76	0	5

## No. 2,012.—THROCKLEY.

TOWNSHIP OF HEDDON-ON-THE-WALL, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat. 54° 59' 11", Long. 1° 46' 16".

*Account of No. 1 Borehole, at Boundary between Throckley and Heddon Royalties, on Haugh Ground. Began October 10th, 1837; ended January 26th, 1838.*

Approximate surface level 25 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	4	0				Brought forward	21	1	4			
Brown clay ...	0	3	0				Grey metal ...	0	0	6			
Blue clay ...	0	2	8				Grey metal stone, with						
Sand and water ...	0	1	6				metal partings ...	2	3	6			
Gravel ...	1	3	0				Grey metal and beds						
Sand, with water and	0	4	10				of post ...						
some small coals ...	1	2	0			*	Grey metal, mixed						
Stony clay ...	3	1	0				with coarse coal ...	0	1	4			
				8	4	0	Grey metal ...	0	3	7			
Grey metal, with some							Strong white post,						
snappy girdles ...	2	4	3				with water ...	3	1	9			
Black metal, with							Soft parting, with						
scares of coal ...	0	2	0				much water ...	0	0	9			
Grey metal ...	0	4	9				<i>Hodge Seam</i> —	Ft. In.					
<b>COAL</b> ...	0	0	1				<b>COAL</b> ...	2	0				
				3	5	1	Grey metal ...	2	9				
Grey metal stone, with											0	4	9
ironstone girdles ...	2	0	11										
Dark metal, scared											7	4	
with coal and water	0	2	0				Grey metal stone, with						
Grey metal ...	1	0	0				post girdles ...	2	3	1			
Strong white post,							White post, mixed				2	4	7
with water ...	4	0	4				with whin ...						
Grey metal stone, with							Dark grey metal, with				0	3	3
post girdles ...	0	3	4				post girdles ...						
<b>COAL</b> — <i>Engine Seam</i>	0	3	8										
				8	4	3							
Carried forward	21	1	4				Carried forward	5	4	11	28	5	6

\* Approximate sea level (Ordnance datum).

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## No. 2,012.—THROCKLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	5	4	11	28	5	6	Brought forward	4	2	3	44	2	3
<i>Three-Quarter Seam—</i>							Strong post, with						
<i>Ft. In.</i>							water ...	4	0	4			
<b>COAL</b> ...	2	1					Whin ...	0	1	6			
Grey metal...	2	6					White post, with						
-----			0	4	7		water ...	1	4	4			
				6	3	6	Grey metal ...	1	3	2			
White post, with whin							<b>COAL</b> ( <i>supposed</i>						
girdles ...	0	2	4				<i>Splint Seam</i> ) ...	0	1	3			
Grey metal stone, with							-----				12	0	10
post ...	1	5	10				Grey metal stone,						
Grey metal ...	0	1	4				mixed with post						
<b>COAL—Main Coal</b>							girdles ...	0	5	5			
<i>Seam</i> ...	0	3	2				White post, with beds						
-----				3	0	8	of ironstone ...	1	3	4			
Seggar clay ...	0	0	10				Strong white post,						
Strong white post,							with blue grey metal						
with metal stone							partings ...	1	1	0			
partings and water	3	2	9				Strong white post ...	4	0	0			
Grey metal stone ...	2	0	0				Grey metal ...	0	2	9			
<b>COAL</b> ...	0	1	0				<b>COAL</b> ...	0	0	9			
-----				5	4	7	-----				8	1	3
Grey metal ...	0	2	7				Grey metal stone ...				0	3	0
White post, with metal													
stone partings ...	1	4	2										
Whin ...	0	1	6										
White post ...	0	1	6										
Grey metal stone, with													
white post girdles...	1	4	6										
-----													
Carried forward	4	2	3	44	2	3	Total ...				65	1	4

This borehole was put down, by Mr. Clayton's authority, on the ground belonging to Mr. Bates, this situation having been chosen (on the Haugh) lest the upper seam on the Throckley side should have been worked.

## No. 2,013.—THROCKLEY.

TOWNSHIP OF THROCKLEY, NORTHUMBERLAND.

Sheet 87 of Ordnance Map.      Lat.      , Long.

*Account of Strata bored through for the Throckley Coal Company, near the North-east Corner of the Plantation in front of Mr. Stephenson's House.  
Begun February 26th, 1838.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
<i>Small coal</i> and ballast	0	1	0				Brought forward	2	3	6			
Yellow clay ...	0	3	6				Leafy clay ...	0	3	0			
Gravel ...	1	2	0				Loamy sand ...	1	4	6			
Loamy sand ...	0	3	0				Grey metal ...	2	1	6			
-----							-----						
Carried forward	2	3	6				Carried forward	7	0	6			

## No. 2,013.—THROCKLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	7	0	6				Brought forward				38	5	8
Brown rotten post ...	0	5	6				Grey metal ...	0	1	9			
Grey metal, with							Grey metal stone, with						
brown post girdles	1	5	0				post girdles	0	4	2			
Grey metal stone, with							White post, with water	0	1	6			
metal partings ...	1	0	0				Whin ...	0	2	1			
COAL, foul...	0	2	0				Grey metal stone,						
				11	1	0	with post girdles ...	1	4	4			
Grey metal stone, with													
post and strong							COAL, foul...	Ft. In.					
metal girdles ...	4	1	6				COAL ...	2	6				
White post ...	0	2	6				COAL, splint	0	3				
Grey metal stone ...	1	5	0						0	2	11		
Dark metal stone ...	1	0	0								3	4	9
Grey metal stone ...	1	1	8				Grey metal ...	0	2	4			
Grey post ...	0	4	0				Grey metal stone, with						
Grey metal and metal							post girdles ...	2	0	10			
stone ...	1	2	4				White post, with water	0	3	6			
COAL ...	0	0	5				Grey metal stone ...	0	5	0			
				10	5	5	White post, with metal						
Grey metal stone ...	0	0	5				partings and water	1	2	2			
Brown post, with							Grey metal stone and						
metal partings ...	0	3	6				post girdles ...	0	4	1			
Grey metal stone and													
post girdles ...	1	3	2				COAL ...	Ft. In.					
Whin ...	0	0	6				Metal band ...	0	2				
White post ...	0	1	0				COAL, foul,						
Whin ...	0	1	0				mixed with						
White post ...	0	1	0				metal ...	0	7				
Grey post, mixed with									0	2	3		
metal stone ...	1	1	0								6	2	2
White post, with metal							Grey metal, with seg-						
partings and whin							gar clay ...	0	2	6			
girdles ...	3	5	5				Grey metal stone, with						
COAL—Engine Seam	0	4	11				beds of post and						
				8	3	11	seggar clay ...	6	2	10			
Soft and grey metal...	0	1	9				Strong dark metal						
Grey metal stone, with							stone, with post						
post girdles ...	0	3	2				girdles ...	0	5	0			
COAL, hard and													
brassy ...	0	2	0				COAL ...	Ft. In.					
				1	0	11	Grey metal,	1	0				
Grey metal stone ...	1	0	3				mixed with						
COAL ...	0	1	6				coal ...	0	4				
				1	1	9	COAL, having						
Grey metal ...	0	1	6				an appear-						
Grey metal stone ...	3	5	2				ance of splint						
Whin ...	0	1	1				at bottom, but						
Grey metal stone,							not decided...	3	1				
with post girdles...	1	0	3						0	4	5		
											8	2	9
COAL ...	Ft. In.						Into grey thill ...				0	0	3
... 2 1													
Grey metal band 0 2½													
COAL ... 0 4½													
				0	2	8							
				5	4	8							
Carried forward				38	5	8	Total ...				57	3	7

## No. 2,014.—THROCKLEY.

TOWNSHIP OF THROCKLEY, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat. 54° 59' 12", Long. 1° 45' 32"

*Sinking Account of the Isabella Pit, Throckley Colliery. Commenced April 25th, 1867.*

Approximate surface level 40 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sand and gravel ...	2	0	0				Brought forward	7	3	8	18	3	7
Clay ...	0	1	0				<i>Engine Seam—</i>						
Post ...	2	3	0				COAL ...	0	7				
Clay ...	0	1	0				Band ...	0	2				
COAL ...	0	0	3				COAL ...	3	9				
				4	5	3							
Metal, with post ...	0	5	0						0	4	6		
Post ...	0	1	8								8	2	2
Metal ...	0	4	0				Good seggar clay ...	0	2	6			
COAL— <i>Ruler Seam</i> {	0	0	1				Seggar clay, mixed						
	0	1	6			*	with post ...	0	3	0			
				2	0	3	COAL— <i>Hodge Seam</i>	0	2	0			
Post and metal ...	0	5	0								1	1	6
Metal ...	1	1	0				Grey post ...	0	1	6			
Post ...	0	1	0				White post ...	0	3	4			
Blue metal ...	1	2	0				Grey metal ...	0	3	2			
Grey post ...	1	2	3				Black stone ...	0	0	4			
Blue metal ...	0	1	4				COAL— <i>Tilly Seam</i>	0	2	6			
Post ...	0	4	9								1	4	10
Seggar clay ...	0	0	7				Seggar clay ...	0	2	4			
Blue metal, with gir-							Grey metal ...	0	1	0			
dles ...	1	2	0				Whin ...	0	2	6			
Grey post, with metal	1	2	10				Blue metal ...	0	1	10			
White post ...	0	5	2				COAL— <i>Hand Coal</i>						
Whin ...	0	1	6				Seam ...	0	0	1			
Grey post ...	0	1	7								1	1	9
Black stone ...	0	1	7				Seggar clay ...	0	1	6			
COAL ...	0	0	4				Grey metal ...	1	0	6			
				10	2	11	Strong grey post ...	0	5	9			
(Drift between pits here.)							Whin ...	0	1	6			
Seggar clay ...	0	5	0				Grey post ...	0	4	3			
Black stone ...	0	1	9				Whin ...	0	1	2			
COAL ...	0	0	5				Blue stone ...	0	0	6			
				1	1	2	White post ...	0	0	4			
Grey metal ...	0	0	9				Grey post ...	1	1	2			
Post girdle ...	0	1	2										
Marl ...	0	0	6				<i>Stone Coal Seam—</i>						
Blue metal ...	0	4	0				COAL ...						
Grey metal ...	1	2	6				Seggar band	0	3				
Post ...	1	3	1				COAL ...	0	4				
Whin ...	0	2	0								0	3	1
Post ...	0	0	5										
Whin ...	0	1	6								5	1	9
Post ...	2	0	10				Seggar clay ...	0	1	0			
Blue metal ...	0	0	6				Grey post girdles	0	3	4			
Post ...	0	4	5				White post ...	1	5	2			
Carried forward	7	3	8	18	3	7	Carried forward	2	3	6	36	3	7

\* Approximate sea level (Ordnance datum).



## No. 2,014.—THROCKLEY.—CONTINUED.

Brought forward	Fs.	Ft.	In.	Fs.	Ft.	In.
	2	3	6	36	3	7
<i>Main Coal Seam—</i>						
	Ft. In.					
COAL, good	3	6				
COAL, coarse	0	4				
			0	3	10	
				3	1	4
				39	4	11
NOTE.—The depth at the opposite side of pit is 40 fs. 3 ft. 0 in., caused by a hitch running across seggar clay and post.						
Recommended at ...				40	3	0
Seggar ...	0	2	7			
Grey metal ...	3	0	5			
Hard post ...	1	1	3			
(Water about 730 gals. per minute.)						
Blue metal ...	0	5	11			
COAL ...	0	3	3			
				6	1	5
Carried forward	46	4	5			
Brought forward	Fs.	Ft.	In.	Fs.	Ft.	In.
	46	4	5			
<i>Brought forward</i>						
Grey metal ...	2	2	6			
Seggar clay ...	0	2	0			
Black metal ...	0	5	2			
COAL ...	0	0	4			
				3	4	0
Post ...	0	2	0			
Blue metal ...	1	1	1			
Hard post ...	0	2	0			
Blue metal ...	0	2	0			
Post ...	0	1	4			
Black shale, very soft	0	0	8			
Strong post ...	2	0	6			
Grey metal ...	0	2	0			
<i>Brockwell Seam—</i>						
	Ft. In.					
COAL, top	0	9				
Band stone ...	0	4				
COAL, good	2	11				
Splint ...	0	6				
			0	4	6	
				5	4	1
Total ...				56	0	6

## No. 2,015.—THROPTON.

TOWNSHIP OF THROPTON, NORTHUMBERLAND.

Sheet 44 of Ordnance Map. Lat. , Long.

Account of Boring at Thropton West Field, belonging to Thos. Fenwick, Esq.  
December 6th, 1848.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	2	6			
Clay ...	1	1	0			
Limestone ramble ...	0	4	6			
Strong blue limestone, with parting ...	1	2	0			
Sand and water ...	1	4	0			
Soft blue limestone ...	2	0	0			
Dark grey metal ...	1	3	0			
Brown post, with water ...	1	2	0			
Strong blue limestone, with water ...	3	4	0			
Carried forward	13	5	0			
Brought forward	Fs.	Ft.	In.	Fs.	Ft.	In.
	13	5	0			
Metal and metal stone	4	1	0			
Strong limestone	0	3	0			
Metal stone	0	5	0			
Limestone	0	4	0			
Grey post	0	2	0			
Limestone	1	0	7			
Metal stone	4	4	5			
In strong white post	2	3	6			
				28	4	6
Total ...				28	4	6

N.B.—I am of opinion that coal will be found about 10 fathoms further.—G. STOTT.

## No. 2,016.—TOGSTON.

TOWNSHIP OF TOGSTON, NORTHUMBERLAND.

Sheet 46 of Ordnance Map. Lat. 55° 18' 30", Long. 1° 36' 16".

*Strata at Togston Colliery, Acklington, from the Surface to the Yard Seam.*

Approximate surface level 94 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	3	0				Brought forward				17	0	0
Clay, with boulder stones ...	1	0	0				Thill ...	0	3	0			
<b>COAL</b> , coarse	0	2	6				Strong white post ...	7	3	0			
				1	5	6	Blue metal ...	1	2	0			
Blue metal, with iron-stone girdles ...	1	0	0				<i>Middle, Main or Duke Seam—</i>						
<b>COAL</b> , good	0	2	0				<i>Seam—</i>	Ft.	In.				
				1	2	0	<b>COAL</b> , coarse	1	0				
Grey metal, with iron-stone girdles ...	12	0	0				<b>COAL</b> , good	4	3		0	5	3
Mussel scarp ...	0	1	0								10	1	3
Blue and black metal	0	1	6			*	Thill ...	0	2	9			
	0	0	6				Blue metal ...	1	5	3			
<i>Top or Princess Seam—</i>							<b>COAL</b> , coarse	0	1	0			
<b>COAL</b> , good	1	8									2	3	0
Metal band...	0	6					Blue metal ...	1	2	0			
<b>COAL</b> , good	3	6					White whin ...	0	4	0			
<b>COAL</b> , splint,							Strong blue stone ...	2	0	0			
good ...	1	10					Freestone band ...	0	0	2			
				1	1	6	<i>Yard or Bottom Seam—</i>						
				13	4	6	<b>COAL</b> , foul	0	4				
Carried forward	17	0	0				<b>COAL</b> , good	2	6		0	2	10
											4	3	0
							Total ...				34	1	3

\* Approximate sea level (Ordnance datum).

## No. 2,017.—TOGSTON.

TOWNSHIP OF TOGSTON, NORTHUMBERLAND.

Sheet 46 of Ordnance Map. Lat. , Long.

*Sinking Account at Togston Colliery.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...	1	4	0				Brought forward	10	1	0			
Blue metal ...	6	4	9				<i>Four-Quarter or Princess Seam—</i>						
Whinstone ...	0	1	3				<i>Seam—</i>	Ft.	In.				
Blue metal ...	1	2	6				<b>COAL</b> , splint	1	0				
Blue metal, mixed with shells ...	0	0	6				Blue metal ...	0	6				
							<b>COAL</b> ...	4	0		0	5	6
											11	0	6
Carried forward	10	1	0				Carried forward				11	0	6

## No. 2,017.—TOGSTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				11	0	6	Brought forward	4	5	0	19	5	0
White thill ...	3	0	0				Blue metal ...	0	4	0			
White whinstone ...	1	3	0				Sandstone ...	0	1	8			
Blue metal, mixed with							Blue metal ...	1	5	0			
<i>coal</i> ...	3	2	6				Black dant ...	0	0	6			
<b>COAL</b> — <i>Five-Quarter or Duke Seam</i>	0	5	0				<i>Three-Quarter or Yard Seam—</i>						
				8	4	6	<i>Ft. In.</i>						
<i>Bored further:—</i>							<b>COAL</b> , splint	2	4				
Blue metal ...	2	5	10				Band or splint	0	3				
<b>COAL</b> ...	0	0	8				<b>COAL</b> , inferior	0	8				
Sandstone ...	1	4	6						0	3	3		
											8	1	5
Carried forward	4	5	0	19	5	0	Total ...				28	0	5

## No. 2,018.—TOGSTON.

TOWNSHIP OF TOGSTON, NORTHUMBERLAND.

Sheet 46 of Ordnance Map. Lat. , Long.

*Boring Account at Togston Barns.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Soil and clay...	...	3	0	0			Brought forward	6	1	5				
Sand, with water	...	0	2	2			Clay, with thin beds							
Clay	...	2	3	0			of sand	...	1	0	0			
Whin tumbler	...	0	1	0			Clay, with stone	...	0	5	7			
Clay	...	0	0	5			Soft blue stone	...	0	3	0			
Whin tumbler	...	0	0	10			Hard blue stone	...	0	4	0			
												9	2	0
Carried forward		6	1	5			Total	...				9	2	0

## No. 2,019.—TOGSTON.

TOWNSHIP OF TOGSTON, NORTHUMBERLAND.

Sheet 46 of Ordnance Map. Lat. 55° 18' 20", Long. 1° 33' 51".

*Account of Strata bored in the East Field on Togston Low Hall Farm. 1868.*

Approximate surface level 20 feet above sea (Ordnance datum).

			Fs.	Ft.	In.	Fs.	Ft.	In.				Fs.	Ft.	In.	Fs.	Ft.	In.
Clay	...	}	3	2	0				Brought forward	11	1	3					
			3	2	3			*	<b>COAL</b> , with 2 inches								
Post, with grey slate									of band 3 feet from								
partings	...		4	3	0				top of seam	...	0	5	2				
															12	0	5
Carried forward			11	1	3				Carried forward						12	0	5

\* Approximate sea level (Ordnance datum).

## No. 2,019.—TOGSTON.—CONTINUED.

Brought forward	Fs.	Ft.	In.	Fs.	Ft.	In.
	12	0	5			
Blue shale ...	1	0	8			
Post, with grey shale						
partings ...	1	4	5			
Blue shale ...	0	1	10			
Black stone ...	0	1	0			
Grey shale ...	0	3	2			
Post, with grey shale						
partings ...	2	1	6			
White post ...	4	2	0			
Whin ...	0	2	9			
Post, with shale part-						
ings ...	2	0	7			
Blue shale ...	0	2	5			
COAL ...	0	3	11			
	14	0	3			
Carried forward	26	0	8			

Brought forward	Fs.	Ft.	In.	Fs.	Ft.	In.
	26	0	8			
Blue shale ...	0	5	7			
Post ...	0	1	0			
Blue shale ...	0	5	9			
Post girdle ...	0	0	9			
Blue shale ...	0	2	4			
COAL ...	0	1	10			
				2	5	3
Blue shale ...	0	2	8			
Grey shale, mixed with						
post girdles ...	2	1	5			
Whin ...	0	0	10			
Grey shale, with post						
girdles ...	1	1	0			
White post ...	0	0	6			
Blue shale ...	1	1	0			
				5	1	5
Total ...	34	1	4			

## No. 2,020.—TOW LAW.

TOWNSHIP OF WOLSINGHAM, DURHAM.

Sheet 25 of Ordnance Map. Lat. , Long.

*Bored Three Holes on Tow Law Estate, near Thornley Pit House, belonging to the late George Pearson, by George Rawling. 1797. First Hole near Tow Law Hill, about 100 yards North from the Burn.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and stony clay ...	1	2	8			
Grey metal ...	1	3	4			
<b>COAL</b> ...	0	0	10			
Soft loose metal ...	0	3	0			
<b>COAL</b> ...	0	0	6			
				3	4	4
Blue metal ...	1	0	0			
Grey post ...	0	0	7			
Blue metal ...	0	2	0			
Grey post ...	0	2	8			
Blue metal ...	0	2	0			
Grey post ...	0	5	4			
Blue metal ...	0	1	6			
Grey post ...	0	1	3			
Blue metal ...	0	0	6			
Carried forward	3	3	10	3	4	4

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	3	10	3	4	4
Grey girdly post ...	1	2	6			
Soft blue metal ...	0	2	0			
<b>COAL</b> , soft... ..	0	2	0			
				5	4	4
White and grey metal, with girdles ...	0	2	6			
Post girdle ...	0	1	0			
Blue metal ...	1	3	0			
<b>COAL</b> ...	0	3	0			
				2	3	6
Blue metal and girdles	1	4	0			
Strong white post, mixed with whin ...	0	0	10			
				1	4	10
Total ...				13	5	0



## No. 2,021.—TOW LAW.

TOWNSHIP OF WOLSINGHAM, DURHAM.

Sheet 25 of Ordnance Map. Lat. , Long.

*No. 2 Hole, 200 yards North of Tow Law Hill, in an Intake.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and stony clay ...	2	5	0				Brought forward	7	0	7	7	1	2
Grey shivery post and water ...	1	2	6				Strong grey metal and girdles ...	0	3	6			
Grey metal ...	0	2	6				Soft grey slaty metal, mixed with coal ...	0	1	0			
Grey post ...	0	1	0				Blue metal and girdles ...	0	4	0			
Blue metal ...	0	0	6				Strong grey post ...	0	1	6			
<b>COAL</b> ...	0	1	5	5	0	11	Strong grey metal and post girdles ...	2	0	4			
Grey metal stone and post girdles ...	1	0	0				Whin mixture ...	0	0	10			
Blue metal ...	0	3	0				Grey and blue metal, with girdles ...	2	4	6			
<b>COAL</b> ...	0	3	0				Soft blue metal, with coal pipes near bottom ...	0	1	6			
<b>COAL</b> , foul... ..	0	0	3	2	0	3	<b>COAL</b> ...	0	2	6			
Grey thill ...	0	3	0				Soft blue metal ...	0	0	5			
Grey metal and post girdles ...	4	1	0				<b>COAL</b> ...	0	3	9	15	0	5
Grey post ...	1	1	0				In grey metal stone...				0	1	0
Blue and grey metal and girdles ...	1	0	10										
<b>COAL</b> ...	0	0	9										
Carried forward	7	0	7	7	1	2	Total ...				22	2	7

## No. 2,022.—TOW LAW.

TOWNSHIP OF WOLSINGHAM, DURHAM.

Sheet 25 of Ordnance Map. Lat. , Long.

*No. 3 Hole, near Tow Law, on the Common, about 300 yards North of No. 2.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and strong clay...	2	0	0				Brought forward	5	5	6	3	4	8
Brown ramby post ...	0	3	0				<b>COAL</b> ...	0	1	0			
Grey metal stone ...	1	1	0								6	0	6
<b>COAL</b> ...	0	0	8	3	4	8	Grey metal ...	1	1	0			
Grey metal stone ...	3	3	0				Strong white post, mixed with whin ...	1	1	0			
Black metal ...	0	4	6				Whin ...	0	1	6			
Grey metal stone, with girdles ...	1	4	0				Strong white post ...	3	3	0			
							<b>COAL</b> ...	0	0	5	6	0	11
Carried forward	5	5	6	3	4	8	Carried forward				16	0	1

N N

## No. 2,022.—TOW LAW.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				16	0	1	Brought forward				19	2	5
Grey metal stone, with girdles ...	2	2	0				Blue grey metal ...	1	0	8			
COAL ...	0	1	0				Grey post, mixed with whin ...	2	0	0			
Grey metal ...	0	5	0				In grey metal and post girdles ...	2	3	0			
COAL ...	0	0	4								5	3	8
				3	2	4							
Carried forward				19	2	5	Total ...				25	0	1

## No. 2,023.—TOW LAW.

TOWNSHIP OF WOLSINGHAM, DURHAM.

Sheet 25 of Ordnance Map. Lat. 54° 45' 8", Long. 1° 49' 12".

*Strata sunk in a Staple in Tow Law Royalty, near the North End of Black Prince Cottages. September, 1848.*

Approximate surface level 1,092 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Yellow clay ...	0	2	6				Brought forward	5	2	1 $\frac{1}{2}$			
Blue gravelly clay ...	2	0	0				Grey metal ...	0	0	6 $\frac{1}{2}$			
Grey metal, with iron-stone ...	1	0	2				COAL ...	0	1	11			
Grey post girdle ...	0	1	0								5	4	7
Grey metal, with iron-stone ...	0	2	2 $\frac{1}{2}$				Grey posty seggar ...	0	2	4			
White post ...	0	2	9 $\frac{1}{2}$				Grey metal ...	0	1	9			
Grey metal, with iron-stone ...	0	2	0				White post ...	0	1	1 $\frac{1}{2}$			
White post ...	0	3	5 $\frac{1}{2}$				Grey metal, with iron-stone ...	0	2	6 $\frac{1}{2}$			
							COAL—5/4 Seam ...	0	3	3			
Carried forward	5	2	1 $\frac{1}{2}$								1		
							Total ...				*7	3	7

\* Approximate sea level 956 $\frac{1}{2}$  feet below this.

## No. 2,024.—TOW LAW.

TOWNSHIP OF WOLSINGHAM, DURHAM.

Sheet 25 of Ordnance Map. Lat. , Long.

*Account of the Boring in Tow Law Royalty, about a mile and a half down the Fell from the old Tow Law Pit. May 17th, 1852.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Stony clay ...	4	3	0				Brought forward	5	1	6			
Brown post ...	0	4	0				COAL ...	0	0	6			
Metal ...	0	0	6				Metal ...	0	1	10			
							COAL ...	0	0	11			
Carried forward	5	1	6				Carried forward	5	4	9			

## No. 2,024.—TOW LAW.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	5	4	9				Brought forward	5	5	6	17	2	9
Metal and coal ...	0	0	4				Grey metal and metal						
COAL ...	0	0	5				stone, with ironstone						
Grey metal ...	0	0	3				girdles about 1 inch						
COAL ...	0	0	2				thick, lay from 1						
Grey metal ...	0	0	3				foot to 2 feet apart	3	2	0			
Soft brown post ...	0	2	0				COAL ...	0	1	3			
Grey metal ...	0	0	4				Grey metal ...	0	5	6			
COAL ...	0	0	6				White post, mixed						
Gulley post ...	2	4	6				with whin ...	1	4	6			
Brown metal ...	0	4	0				Dark grey metal ...	1	3	0			
Grey metal ...	0	5	0				COAL ...	0	0	8			
Grey post ...	1	0	0				Grey metal stone ...	0	2	0			
Grey metal ...	2	3	0				Strong white post ...	2	0	0			
White post, set away							COAL ...	0	0	10			
the water at 4 feet	2	2	2				Grey metal ...	0	3	6			
Grey metal ...	0	1	6				COAL ...	0	0	6			
COAL, good ...	0	3	7				Grey metal ...	0	1	9			
				17	2	9	COAL ...	0	1	0			
Grey metal ...	0	0	6				Grey metal stone ...	0	4	0			
White post ...	1	0	0				Into strong grey post,						
Dark grey metal ...	1	5	0				mixed with whin ...	0	4	5			
Grey post ...	3	0	0								18	4	5
Carried forward	5	5	6	17	2	9	Total ...				36	1	2

## No. 2,025.—TOW LAW.

TOWNSHIP OF WOLSINGHAM, DURHAM.

Sheet 25 of Ordnance Map. Lat. , Long.

*Strata passed through in Three Boreholes put down near Thornley Pit House. 1864.*  
*No. 1 Borehole.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	0	6				Brought forward				2	4	0
Clay and gravel ...	0	3	5				Grey metal ...	0	5	9			
Stone and gravel ...	0	4	1				Freestone post ...	1	0	4			
Grey post ...	0	3	7				Hard post ...	1	0	6			
Parting ...	0	2	4				Forced ground ...	0	5	6			
COAL—Top Five-Quarter Seam ...	0	2	1								4	0	1
				2	4	0	Total ...				6	4	1
Carried forward				2	4	0							

## No. 2,026.—TOW LAW.

TOWNSHIP OF WOLSINGHAM, DURHAM.

Sheet 25 of Ordnance Map. Lat. , Long.

## No. 2 Borehole.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	0	7				Brought forward	1	1	6½	1	2	8
Yellow clay ...	1	1	3				Grey post ...	0	3	4			
<b>COAL</b> ...	0	0	10				Grey metal, and iron-						
				1	2	8	stone girdles ...	1	3	6			
Seggar clay, with coal							Grey post ...	3	3	1½			
<i>pipes</i> ...	1	1	6½								6	5	6
Carried forward	1	1	6½	1	2	8	Total ...				8	2	2

## No. 2,027.—TOW LAW.

TOWNSHIP OF WOLSINGHAM, DURHAM.

Sheet 25 of Ordnance Map. Lat. , Long.

## No. 3 Borehole.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	0	5				Brought forward	6	2	1	2	3	3
Clay ...	1	3	1				Black lump— <i>Top</i>						
Dark metal ...	0	3	11				<i>Five-Quarter Seam</i>	0	2	1			
<b>COAL</b> ...	0	1	10								6	4	2
				2	3	3	Seggar clay ...	0	4	0			
Black stone ...	0	3	4				Freestone post ...	1	2	8			
Freestone post ...	0	4	1				Metal ...	0	0	6			
Grey metal ...	1	3	8				<b>COAL</b> ...	0	2	7			
Freestone post ...	3	3	0								2	3	9
Carried forward	6	2	1	2	3	3	Total ...				11	5	2



## No. 2,028.—TOW LAW.

TOWNSHIP OF WOLSINGHAM, DURHAM.

Sheet 25 of Ordnance Map. Lat.  $54^{\circ} 46' 4''$ , Long.  $1^{\circ} 47' 56''$ .*Section of Strata sunk through in a Staple on Hill Top Farm, near Tow Law.  
March 24th 1868.*

Approximate surface level 920 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Blue metal ...	0	4	0				Brought forward	0	2	6	7	1	6
Post ...	6	1	0				Blue metal ...	1	0	0			
<i>Three-Quarter Seam—</i>							Post ...	1	0	0			
	Ft.	In.					Grey beds ...	5	0	0			
COAL ...	1	4					Post ...	0	4	0			
Band ...	0	2					Grey beds ...	5	3	0			
COAL ...	1	0					Post ...	2	4	0			
			0	2	6		COAL— <i>Little Seam</i>	0	2	1			
						7	1	6			16	3	7
Band ...	0	0	5				Band ...	0	0	6			
COAL ...	0	1	0				Metal and clay ...	0	5	6			
Fire clay ...	0	0	9				COAL— <i>5/4 Seam</i>	0	3	10			
COAL ...	0	0	4								1	3	10
Carried forward	0	2	6	7	1	6	Total ...				*25	2	11

NOTE.—This staple is used for ventilating.

\* Approximate sea level 867 feet below this.

## No. 2,029.—TRANWELL.

TOWNSHIP OF TRANWELL AND HIGH CHURCH, NORTHUMBERLAND.

Sheet 72 of Ordnance Map. Lat.  $55^{\circ} 8' 26''$ , Long.  $1^{\circ} 42' 47''$ .*Details of Boring at Tranwell, 3 yards South of South End of Reservoir.*

Approximate surface level 300 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sand ...	1	0	0				Brought forward	6	5	0	6	1	0
Grey post ...	4	1	0				Grey post ...	4	1	0			
Dark metal ...	0	5	6				COAL ...	0	2	0			
COAL ...	0	0	6								11	2	0
				6	1	0	Grey metal ...	0	2	0			
Grey metal stone ...	2	2	0				Grey post ...	8	4	0			
Grey post ...	3	0	0				Dark metal ...	3	0	0			
Grey metal ...	1	3	0				COAL ...	0	1	0			
											12	1	0
Carried forward	6	5	0	6	1	0	Carried forward				29	4	0

## No. 2,029.—TRANWELL.—CONTINUED.

			Fs.	Ft.	In.	Fs.	Ft.	In.				Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward						29	4	0	Brought forward			6	2	6	30	4	6
Grey metal	...	...	0	5	0				Grey post	...	...	0	3	0			
<b>COAL</b>	...	...	0	1	6				Grey metal	...	...	1	3	0			
						1	0	6	Grey post	...	...	1	0	0			
Grey metal	...	...	3	1	6				Grey metal	...	...	4	3	0			
Grey post	...	...	1	3	0										13	5	6
Grey metal	...	...	1	4	0												
Carried forward			6	2	6	30	4	6	Total			...	...		44	4	0

## No. 2,030.—TRIMDON.

TOWNSHIP OF TRIMDON, DURHAM.

Sheet 36 of Ordnance Map. Lat. , Long.

*Section of Strata sunk through in Trimdon Staple. September 26th, 1842.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.		
Outset ... ..				3	2	0		Brought forward	16	1	6	71	0	9	
Soil ... ..	0	1	0					Black metal, mixed							
Clay ... ..	5	2	0					with coal ... ..	0	1	0				
Marl ... ..	6	0	0					<i>Main Coal Seam—</i>							
Limestone ... ..	42	3	6					<b>COAL</b> , tender	1	5					
				54	0	6		Band ... ..	0	6					
Dark grey metal ...	0	1	6					<b>COAL</b> , good	3	0					
Light yellow sand ..	0	0	4					<b>COAL</b> , coarse	0	7					
Yellow clay partings..	2	0	0								0	5	6		
Dark yellow sand ...	1	2	6											17	
Whin ... ..	0	0	10					Thill stone ... ..	0	2	0				2
Grey metal stone ...	1	2	0					Grey metal ... ..	5	4	0				
Whin (error in copy- ing) ... ..								Thill stone, scared							
Grey metal stone (error in copying) ... ..								with coal ... ..	0	1	2				
Red and grey post ...	4	1	0					Strong grey metal stone ... ..	2	3	0				
Whin ... ..	0	0	8					<b>COAL</b> ... ..	0	1	0				
Red and grey post ...	2	0	6									8	5	2	
Whin ... ..	0	1	6					Grey metal stone, with girdles ... ..	1	0	8				
Red and grey post ...	0	3	6					Dark metal, mixed							
<b>COAL</b> , mixed with								with coal ... ..	0	0	4				
bands— $\frac{3}{4}$ Seam ...	0	4	4					Grey metal, mixed							
<b>COAL</b> — $\frac{5}{4}$ Seam ...	0	3	7					with post girdles ...	5	0	9				
				13	4	3		White grey post ...	7	2	9				
Thill stone ... ..	0	3	0					Grey metal ... ..	0	4	4				
Blue metal stone ...	1	3	0					<b>COAL</b> — <i>Low Main Seam</i> ... ..	0	3	7				
Grey metal stone ...	1	2	0									15	0	5	
Grey post ... ..	0	1	0					Grey metal stone ...	5	3	9				
Grey metal stone ...	9	0	6					<b>COAL</b> ... ..	0	0	4				
Grey post ... ..	3	4	0									5	4	1	
Carried forward	16	1	6	71	0	9		Carried forward				118	0	5	

## No. 2,030.—TRIMDON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				118	0	5	Brought forward				138	4	10
Strong grey metal stone, inclining to post, with hard girdles ...	1	4	4				Grey metal ...	0	1	6			
Strong white post ...	0	3	6				Grey post ...	0	0	5			
Dark grey metal stone ...	0	5	2				Whin ...	0	3	2			
Strong grey post ...	2	0	3				Grey post ...	0	0	4			
Dark metal stone ...	1	3	4				Grey metal stone, with post girdles ...	0	3	4			
Grey metal stone, with girdles ...	8	3	5				Whin ...	0	2	0			
<i>Hutton Seam</i> —Ft. In.							Grey metal stone, with girdles ...	4	2	10			
COAL, coarse	1	10					White post ...	1	1	2			
COAL, coarse and splinty	0	6					Grey metal stone ...	4	2	0			
				0	2	4	Strong grey metal stone, inclining to post ...	2	0	5			
				15	4	4	Dark grey metal, with scares of coal ...	0	2	0			
Black stone ...	0	0	10				Strong grey metal, with girdles ...	0	4	10			
Dark metal ...	0	0	6				Grey post, with partings ...	0	5	5			
Grey metal ...	0	0	6				Grey metal, with girdles ...	0	3	2			
Grey post ...	0	2	0				White post ...	0	2	2			
Grey metal stone, with post girdles ...	1	4	9				Grey metal, with girdles ...	1	0	3			
Grey post ...	0	4	6				COAL— <i>Harvey Seam</i> ...	0	3	7			
Grey metal stone, with post girdles ...	1	3	0								18	2	7
Black metal ...	0	0	9				Sump ...				4	3	2
COAL ...	0	0	4										
				4	5	2							
Black metal, scared with coal ...	0	0	9										
COAL ...	0	0	2										
				0	0	11							
Carried forward				138	4	10	Total ...				161	4	7

NOTE.—Close to North side of shaft is a dip dyke of 14 feet. Five-Quarter Seam is nipped out on South part of pit.

## No. 2,031.—TRIMDON.

TOWNSHIP OF TRIMDON, DURHAM.

Sheet 36 of Ordnance Map. Lat. , Long.

Bored in the Five-Quarter Drift, Trimdon Colliery, about 130 yards South from the Shaft. May 29th, 1843.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Red and grey post ...	5	0	9				Brought forward	8	3	9			
Grey metal stone, with post girdles ...	3	3	0				White post ...	0	2	3			
							Grey metal stone, with post girdles ...	1	3	6			
Carried forward	8	3	9				Carried forward	10	3	6			

## No. 2,031.—TRIMDON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	10	3	6				Brought forward	17	1	4			
White post ...	2	0	10										
Grey metal stone ...	0	3	3										
White post ...	2	2	4				<b>COAL</b> , foul... <b>COAL</b> ...	Ft. In. 0 9 1 0					
Grey metal stone ...	1	1	6				Grey metal ...	0 11					
Grey post ...	0	1	7				<b>COAL</b> ...	3 0					
Black metal ...	6	0	4				Splint ...	0 4					
								1 0 0					
							Dark metal ...				18 1 4		
Carried forward	17	1	4				Total ...				0 0 10		
											18 2 2		

## No. 2,032.—TRIMDON.

TOWNSHIP OF TRIMDON, DURHAM.

Sheet 36 of Ordnance Map. Lat. 54° 42' 56", Long. 1° 25' 41".

*Section of Strata sunk through at Trimdon Colliery. June 8th, 1843.*

Approximate surface level 502 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Strong clay ...	5	0	0				Brought forward	0	3	7	65	2	9
Limestone (staple sunk to 40 fathoms) ...	43	0	6				<i>Five-Quarter Seam—</i>						
Dark metal ...	6	1	6										
Yellow partings ...	0	0	3				<b>COAL</b> , good Black metal <b>COAL</b> , foul	Ft. In. 4 1 0 4 0 9					
				54	2	3		0 5 2					
Brown sandy post, with soft partings and water ...	2	2	6					1 2 9					
Whin ...	0	0	10				Grey metal stone, with post girdles ...	13 2 9					
Grey metal stone ...	1	2	0				White post ...	0 3 6					
Grey post ...	0	1	0				Metal, mixed with coal	0 0 6					
Red and grey post, with metal partings	4	0	0				White post ...	1 3 8					
Whin ...	0	0	8				Grey metal ...	0 1 0					
Grey and red post ...	2	0	6				Metal, mixed with coal	0 0 4					
Whin ...	0	1	6					15 5 9					
Strong grey and red post ...	0	3	6				<i>Main Coal Seam—</i>						
				11	0	6							
Black metal, mixed with coal and grey post ...	0	2	5				<b>COAL</b> , good Grey metal ... <b>COAL</b> , good <b>COAL</b> , coarse	Ft. In. 1 2 0 5½ 3 0 0 3					
<b>COAL—Three-Quarter Seam</b> ...	0	0	11					0 4 10½					
Grey metal ...	0	0	3					0 4 10½					
Carried forward	0	3	7	65	2	9	Total ...				*83 4 1½		

\* Approximate sea level (Ordnance datum).



## No. 2,033.—TRIMDON.

TOWNSHIP OF TRIMDON, DURHAM.

Sheet 36 of Ordnance Map. Lat. , Long.

*Account of Strata bored through below the Main Coal Seam at Trimdon Colliery,  
by G. Stott. April 7th, 1845.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Metal pipe from thill of <i>Main Coal</i> ...	8	4	3				Brought forward	3	1	1	44	3	6
Grey metal stone, with girdles ...	1	0	8				Grey metal stone, with post girdles ...	1	3	0			
Dark metal, mixed with <i>coal</i> ...	0	0	4				Black metal ...	0	0	9			
Grey metal, with post girdles ...	5	0	9				<b>COAL</b> ...	0	0	4			
White and grey post	7	2	9				Black metal, scared with <i>coal</i> ...	0	0	9			
Very soft grey metal	0	1	4				<b>COAL</b> ...	0	0	2			
<b>COAL</b> — <i>Low Main</i> <i>Seam</i> ...	0	3	0								5	0	1
				23	1	1	Grey metal ...	0	1	6			
Grey metal stone ...	5	3	9				Grey post ...	0	0	5			
<b>COAL</b> ...	0	0	4				Whin ...	0	3	2			
				5	4	1	Grey post ...	0	0	4			
Strong grey metal stone, inclining to post, with hard girdles ...	1	4	4				Grey metal stone, with post girdles ...	0	3	4			
Strong white post ...	0	3	6				Whin ...	0	2	0			
Dark grey metal stone	0	5	2				Grey metal stone, with girdles ...	4	2	10			
Strong white and grey post ...	2	0	3				White post ...	1	1	2			
Dark metal stone ...	1	3	4				Grey metal stone ...	4	2	0			
Grey metal stone, with girdles ...	8	3	5				Strong grey metal stone, inclining to post ...	2	0	5			
<i>Hutton Seam</i> —							Dark grey metal stone, with scares of <i>coal</i> ...	0	2	0			
<b>COAL</b> ...	1	10					Strong grey metal, with girdles ...	0	4	10			
<b>COAL</b> , coarse splinty ...	0	6					Grey post, with part- ings ...	0	5	5			
				0	2	4	Grey metal, with gir- dles ...	0	3	2			
				15	4	4	White post ...	0	2	2			
Black stone ...	0	0	10				Grey metal, with gir- dles ...	1	0	3			
Dark metal ...	0	0	6				Black stone ...	0	0	10			
Grey metal ...	0	0	6				<i>Harvey Seam</i> —						
Grey post ...	0	2	0				<b>COAL</b> , strong and coarse for first 16 inches ...	0	3	6			
Grey metal stone, with post girdles ...	1	4	9								18	3	4
Grey post ...	0	4	6				In grey metal stone...				0	1	8
Carried forward	3	1	1	44	3	6							
							Total depth below <i>Main</i> <i>Coal Seam</i> ...				68	2	7

## No. 2,034.—TRIMDON GRANGE.

TOWNSHIP OF TRIMDON, DURHAM.

Sheet 36 of Ordnance Map. Lat.  $54^{\circ} 42' 54''$ , Long.  $1^{\circ} 25' 43''$ .*Account of Strata sunk through at Trimdon Grange Colliery. Begun May 21st, 1845.*

Approximate surface level 500 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Strong yellow clay ...	9	0	6			
Soft marly limestone	4	4	6			
Strong brown limestone, with water ...	28	2	7			
Strong blue limestone, with water ...	3	0	8			
	<hr/>			45	2	3

Grey whin girdle ...	0	0	4
Light grey metal ...	0	4	0
Strong grey post, with red metal partings	6	1	2
Strong grey post, mixed with whin ...	6	3	9

*Three-Quarter Seam—*

	Ft.	In.
COAL, soft		
danty ...	0	10
Band ...	0	9
COAL ...	0	11
Band ...	0	1 $\frac{1}{2}$
COAL ...	0	3
Band ...	0	3
COAL ...	1	0
Band ...	0	2
Splint ...	0	3
	<hr/>	
	0	4 6 $\frac{1}{2}$
	<hr/>	
	14	1 9 $\frac{1}{2}$

*Five-Quarter Seam—*

	Ft.	In.
COAL ...	3	8
Splint ...	0	3
	<hr/>	
	0	3 11
	<hr/>	
	0	3 11
Black slaty stone ...	0	1 6
Strong grey metal ...	3	5 6
Black slaty stone, with scares of coal ...	1	0 5
Strong grey metal ...	2	5 0
Strong grey post, with whin girdles ...	1	0 0
Grey and white post, with metal partings	4	5 3
Black slaty stone, mixed with coal ...	0	0 10

Carried forward 14 0 6 60 1 11 $\frac{1}{2}$ Brought forward 14 0 6 60 1 11 $\frac{1}{2}$ *Main Coal Seam—*

	Ft.	In.
COAL, top	1	3 $\frac{1}{2}$
Band ...	0	9 $\frac{1}{4}$
COAL, bottom	2	7 $\frac{1}{2}$
COAL, coarse	0	9 $\frac{1}{2}$
	<hr/>	
	0	5 6
	<hr/>	
	15	0 0

Grey metal stone ...	1	2	6
Very dark grey metal	1	1	2
Strong white stone and partings	0	4	4
Strong grey metal, } scared with post {	4	4	0 $\frac{1}{2}$
	0	1	1
Dark grey metal, with post girdles	2	2	9
COAL ...	0	1	0
	<hr/>		
	10	4	10 $\frac{1}{2}$

Grey metal ...	1	1	8
COAL ...	0	0	4
	<hr/>		
	1	2	0

Dark grey metal	0	2	9
COAL ...	0	0	10
	<hr/>		
	0	3	7

Dark metal, with scares	0	2	7
Grey metal stone	2	4	6
Black metal stone	0	3	2
Strong white post	0	3	4
Dark grey metal	4	3	0

*Low Main Seam—*

	Ft.	In.
COAL, good	3	1
Pricking ...	0	6 $\frac{1}{2}$
	<hr/>	
	0	3 7 $\frac{1}{2}$
	<hr/>	
	9	2 2 $\frac{1}{2}$

Total ... 97 2 7 $\frac{1}{2}$ 

\* Approximate sea level (Ordnance datum).

## No. 2,035.—TRIMDON GRANGE.

TOWNSHIP OF TRIMDON, DURHAM.

Sheet 36 of Ordnance Map. Lat. 54° 42' 53", Long. 1° 25' 44".

*An Account of Strata sunk through in the New Pit, Trimdon Grange Colliery. 1872.*

Approximate surface level 500 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Loose stones and en-							Brought forward				82	1	10
gine scars ...	1	2	8				Fine blue stone ...	0	4	0			
Hard stony clay ...	6	1	6				Grey metal stone, {	0	2	2			
Red gravelly earth...	3	1	6				mixed with post }	5	2	4			*
				10	5	8	<b>COAL</b> ...	0	0	9			
Soft fine marl ...	3	4	0								6	3	3
Mild limestone ...	2	3	5				Blue stone ...	0	4	4			
Limestone, harder ...	4	3	3				Grey metal, with part-						
Hard brown limestone,							ings ...	2	1	8			
with water ...	12	1	2				Hard post girdle ...	0	3	4			
Hard brown limestone,							Soft blue metal ...	4	1	2			
with more water ...	7	1	6				<b>COAL</b> (including						
Soft dark gritty sand	0	4	2				pricking)— <i>Low Main</i>						
Strong metal girdle...	0	0	9				<i>Seam</i> ...	0	3	7			
Hard blue limestone,											8	2	1
full of spar ...	4	2	0				Grey post, with part-						
Soft white post, with							ings ...	3	4	2			
partings ...	3	4	0				Post girdle ...	0	2	4			
Post, with red metal							Grey metal ...	0	2	8			
partings ...	2	5	3				<b>COAL</b> , splinty ...	0	0	4			
Hard white post, with											4	3	6
partings ...	5	2	2				Strong grey metal ...	2	5	6			
<b>COAL</b> , with black							Grey post, with metal						
stone— <i>Three-Quar-</i>							girdles ...	2	1	1			
<i>ter Seam</i> ...	1	0	6				<b>COAL</b> , brassy ...	0	0	9			
				48	2	2					5	1	4
<i>Five-Quarter Seam</i> —							White post ...	0	4	2			
<b>COAL</b> ...							Hard grey metal, with						
Splint ...							iron girdles ...	4	2	9			
							Dark blue metal stone	0	3	4			
							<b>COAL</b> , good— <i>Maud-</i>						
							<i>lin Seam</i> ...	0	1	7			
											5	5	10
Soft blue stone ...	0	2	0				Fine seggar stone ...	0	1	6			
Grey metal stone, with							Grey metal, with iron						
scars of coal ...	8	2	8				girdles ...	3	3	2			
Grey metal, with post							Blue metal, with iron						
girdles ...	2	4	6				balls ...	2	0	3			
White post, with blue							<i>Hutton Seam</i> —						
metal girdles ...	2	3	4				<b>COAL</b> , good ...	0	1	10			
Black stone ...	0	0	4				Brass and splint ...	0	1	1			
<b>COAL</b> ...	0	1	3								6	1	10
Stone band ...	0	0	9				Black stone ...	0	0	6			
<b>COAL</b> , bottom— <i>Main</i>							Dark grey metal,						
<i>Coal Seam</i> ...	0	3	8				with girdles ...	3	1	9			
				15	0	6	Grey post ...	1	0	10			
Soft blue stone ...	2	4	0				Fine white post ...	0	1	8			
Grey metal stone ...	4	2	8										
<b>COAL</b> ...	0	0	7										
				7	1	3							
Carried forward				82	1	10	Carried forward	4	4	9	119	1	8

\* Approximate sea level (Ordnance datum).

## No. 2,035.—TRIMDON GRANGE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	4	4	9	119	1	8		Brought forward			142	5	7
Grey post, with metal								Seggar ...	0	5	0		
partings ...	2	1	7					Hard grey metal ...	4	1	6		
<b>COAL</b> , splinty ...	0	0	4					White post ...	1	2	8		
				7	0	8		Black stone ...	0	1	2		
Grey post, with a small								<i>Busty Seam</i> —	Ft.	In.			
seam of <i>coal</i> ...	3	4	1					<b>COAL</b> ...	0	10			
White post ...	1	0	4					Stone band...	0	3			
Dark metal, with iron								<b>COAL</b> ...	1	10			
girdles ...	4	1	7								0	2	11
Grey post, with part-												7	1
ings ...	2	4	10										3
Strong white post,													
with partings ...	3	5	0										
Blue metal stone ...	0	1	8										
<b>COAL</b> — <i>Harvey Seam</i>	0	3	9										
				16	3	3							
Carried forward				142	5	7		Total ...			150	0	10

## No. 2,036.—TUDHOE.

TOWNSHIP OF TUDHOE, DURHAM.

Sheet 34 of Ordnance Map. Lat. , Long.

*Boring on Tudhoe Estate, near the Black Plantation, by W. Coulson.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Depth to bottom of								Brought forward			70	3	3
<i>coal</i> ...				51	4	3		Grey metal stone ...	4	1	0		
<b>COAL</b> — <i>Bottom Busty</i>								White post, with water	2	3	10		
<i>Seam</i> ...	0	1	11					Grey metal, with post					
Dark metal, scared								girdles ...	0	5	5		
with <i>coal</i> ...	0	2	0					Dark blue metal ...	0	1	4		
Grey metal stone ...	2	5	3					<b>COAL</b> , good— <i>Brock-</i>					
White post with water								<i>well Seam</i> ...	0	3	10		
mixed with whin ...	14	5	8								8	3	5
Black stone ...	0	0	6										
<b>COAL</b> ...	0	1	8										
				18	5	0							
Carried forward				70	3	3		Total ...			79	0	8



## No. 2,037.—TUDHOE.

TOWNSHIP OF TUDHOE, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

*An Account of the Strata bored through in the Tudhoe Estate, by W. Coulson.  
Begun to bore, October 21st, 1837.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ... ..	3	5	0				Brought forward	2	1	0	50	0	10
Grey metal ... ..	2	2	0				<i>Harvey Seam—</i>						
White post, with water							<b>COAL</b> and						
and metal partings	6	1	0				burns to Ft. In.						
Grey metal, with post							white ashes 2 0						
girdles ... ..	1	4	6				<b>COAL</b> , foul,						
<b>COAL</b> ... ..	0	1	5				and splint... 0 10						
				14	1	11		0	2	10			
Grey metal ... ..	1	0	2				Grey metal, with post				2	3	10
<b>COAL</b> ... ..	0	0	4				girdles and water... 2 0 7						
				1	0	6	<b>COAL</b> , foul... .. 0 0 11						
Grey metal ... ..	0	1	2					2	1	6			
White post ... ..	2	0	0				Grey metal, with thin						
Grey metal, with post							post girdles ... .. 3 2 6						
girdles ... ..	1	5	2				Whin ... .. 0 1 0						
Black metal ... ..	0	1	0				White post, with me-						
<b>COAL—Hutton Seam</b>	0	2	1				tal partings ... .. 1 4 6						
				4	3	5	Dark metal, with						
Grey metal stone ...	5	1	6				seams of coal ... .. 0 2 5						
Grey metal ... ..	0	3	0				Dark grey metal ... 1 5 8						
Black metal, with							<b>COAL</b> ... .. 0 0 2				7	4	3
threads of coal ...	0	3	4										
Grey metal and metal							Dark grey metal ... 0 5 9						
stone, soft near the							<b>COAL</b> ... .. 0 0 10				1	0	7
bottom, and water...	7	3	0										
Strong white post,							Grey metal ... .. 0 3 6						
with whin in some							Whitish grey post ... 0 1 4						
places and water ...	2	4	0				Brown whin, with						
Grey metal ... ..	1	4	9				water ... .. 0 2 8						
Strong white post,							Grey metal, with thin						
with water ... ..	2	0	4				post girdles ... .. 3 0 1						
Grey metal stone, with							<b>COAL</b> , danty, and						
thin post girdles							foul— <i>Busty Seam</i>				0	2	2.
and water ... ..	3	3	10								4	3	9
Black metal ... ..	0	1	9				Grey metal, with thin						
Strong white post,							post girdles ... .. 0 5 0						
with whin girdles							Dark grey metal, with						
and water ... ..	5	4	7				seares of coal and						
Grey metal ... ..	0	0	7				whin ball ... .. 1 2 9						
<b>COAL</b> ... ..	0	0	4				<b>COAL</b> , foul, and						
				30	1	0	burns to white ash				0	1	8
Grey metal stone, with											2	3	5
thin post girdles							Strong grey post ... 1 1 7						
and water ... ..	2	1	0				Grey metal, with thin						
							post girdles ... .. 0 4 6						
Carried forward	2	1	0	50	0	10	Strong white post,						
							with whin girdles...				6	0	0
							Carried forward	8	0	1	71	0	2

## No. 2,037.—TUDHOE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	8	0	1	71	0	2	Brought forward	1	3	4	80	5	6
Strong grey metal, with post girdles ...	1	3	0				Grey metal, with hard post girdles ...	4	1	6			
<b>COAL</b> , with some small partings ...	0	2	3				<b>COAL</b> — <i>Brockwell</i> <i>Seam</i> ...	0	4	2			
				9	5	4					6	3	0
Grey metal ...	1	2	10				Grey metal ...	0	1	0			
Black metal, mixed with <i>foul coal</i> ...	0	0	6				Strong grey metal, with hard post girdles ...	2	3	0			
											2	4	0
Carried forward	1	3	4	80	5	6	Total ...				90	0	6

## No. 2,038.—TUDHOE.

TOWNSHIP OF TUDHOE, DURHAM.

Sheet 34 of Ordnance Map. Lat. , Long.

*Borehole made in the Tudhoe Estate, in a Wheat Field on the left hand side of the Lane leading to the Ford by the River Wear.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Strong clay ...	2	0	0				Brought forward				28	4	3
Soft brown post, with water ...	1	1	0				Grey metal and metal stone ...	1	1	3			
<b>COAL</b> ...	0	0	8				<b>COAL</b> ...	0	0	3			
Grey metal ...	5	2	10				Ironstone girdles ...	0	0	4			
Sandy post ...	0	3	8				Grey metal stone ...	1	0	8			
Brown post, with water ...	1	0	0				White post ...	0	5	0			
Soft brown post, set away the water ...	1	4	2				Grey metal stone ...	0	2	3			
Brown metal ...	0	3	0				<b>COAL</b> ...	0	0	5			
<b>COAL</b> ...	0	0	7				Black metal ...	0	0	6			
				12	3	11	Grey metal stone ...	1	4	0			
Soft grey post ...	5	0	0				Black metal ...	0	1	6			
Grey metal ...	1	1	0				<b>COAL</b> ...	0	0	9			
Dark metal ...	1	0	5				Grey metal stone ...	0	5	0			
Grey metal stone ...	3	5	8				Grey post ...	0	1	6			
Grey and white post	3	0	8				Strong grey metal stone ...	0	1	11			
<b>COAL</b> ...	0	0	4				<b>COAL</b> ...	0	0	3			
Soft brown metal ...	0	0	6				Grey metal stone ...	0	1	5			
Strong grey metal stone ...	0	1	10				Grey post ...	1	0	9			
Strong white post ...	0	2	0				<b>COAL</b> ...	0	0	5			
Grey metal stone ...	0	2	9				Grey metal stone, with post girdles ...	3	4	7			
Dark metal ...	0	0	6				Black metal ...	0	0	2			
							<b>COAL</b> ...	0	1	10			
<b>COAL</b> ...											12	4	9
Metal band ...	0	2					Grey metal stone, with post girdles ...	4	4	3			
<b>COAL</b> ...	1	5					<b>COAL</b> ...	0	0	5			
Splint ...	0	6					Grey metal stone ...	0	1	3			
				0	2	8	Grey post ...	6	5	0			
				16	0	4							
Carried forward				28	4	3	Carried forward	11	4	11	41	3	0

## No. 2,038.—TUDHOE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	11	4	11	41	3	0	Brought forward	54	3	7			
Dark grey metal, with ironstone girdles ...	1	0	2				In grey metal stone...	2	1	2			
<b>COAL</b> ...	0	1	6										
				13	0	7							
Carried forward				54	3	7	Total ...	56	4	9			

This hole was suspended on 7th December, not being required. The Whitworth Coal-seam is supposed to lie about 6 fathoms deeper.—G. STOTT, borer.

## No. 2,039.—TUDHOE.

TOWNSHIP OF TUDHOE, DURHAM.

Sheet 35 of Ordnance Map. Lat. 54° 43' 13", Long. 1° 35' 8".

*An Account of Strata bored through upon the Tudhoe Estate. Commenced to bore, May 12th, 1864; bored through the seam October 14th, 1864; size of borehole, 2 feet diameter.*

Approximate surface level 270 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay and soil...	5	4	10				Brought forward	2	4	11	17	3	3
Freestone ...	1	0	0				Strong blue metal ...	1	3	6½			
White post stone ...	0	5	5				<b>COAL</b> ...	0	1	6			
Strong grey and white post ...	3	0	5								4	3	11½
Black metal ...	0	0	6				Seggar clay ...	0	1	7			
Ironstone ...	0	0	1				Strong grey post ...	0	2	7½			
Grey metal ...	0	1	6				Grey post, mixed with iron nodules ...	0	2	1			
<b>COAL</b> ...	0	0	5				Light post ...	1	3	2½			
				11	1	2	Dark blue metal ...	1	0	1½			
Seggar clay ...	0	3	5				Blue metal, mixed with iron ...	1	1	6			
Grey post stone ...	0	0	8				Black jet ...	0	0	10			
Dark plate ...	0	1	2				Blue metal ...	0	5	3			
Grey and white post...	0	3	3				Soft grey post ...	0	0	9			
Grey metal ...	0	2	5				Hard light coloured stone ...	0	1	2½			
<b>COAL</b> ...	0	0	9				Blue metal, mixed with iron ...	1	1	3½			
				1	5	8	Seggar clay ...	0	1	2½			
Seggar clay ...	1	1	9				Hard white post ...	0	5	2			
Grey and white post	0	5	5				Light grey whin stone	0	0	7			
Dark metal ...	0	0	9				Hard white post ...	0	2	1			
Hard grey post ...	0	1	1				Hard brown stone ...	0	0	9			
Blue metal ...	0	1	4				Brown whin ...	0	1	8½			
Grey metal ...	0	4	4				Mixed white post ...	1	0	11			
Grey metal, mixed with iron ...	0	4	0				Dark blue metal ...	0	1	11			
<b>COAL</b> ...	0	1	9				Dark metal or fire clay	0	0	7			
				4	2	5	Blue shale ...	0	3	9½			
Seggar clay ...	0	1	8				Seggar clay ...	0	1	3			
Grey metal ...	0	2	2										
Grey post ...	2	1	1										
Carried forward	2	4	11	17	3	3	Carried forward	11	4	5	22	1	2½

## No. 2,039.—TUDHOE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.		
Brought forward	11	4	5	22	1	2½		Brought forward	2	5	10	56	2	5	
Grey post stone ...	0	1	9					Hard white post ...	0	4	9				
Mixed post ...	0	0	9					<b>COAL</b> ...	0	0	0¾				
Strong white post ...	0	0	5									3	4	7¾	
Grey post ...	0	1	8					White post mixture...	0	1	0¼				
Dark whin stone ...	0	0	1					Dark metal ...	0	0	4				
Strong grey post ...	0	0	3					Grey post, mixed with							
Blue metal ...	0	1	0½					<i>coal</i> ...	0	0	6				
Mixed metal ...	0	1	10½					Dark grey stone ...	0	3	2½				
Grey and white post	1	1	3½					<b>COAL</b> ...	0	0	3				
Dark plate or shale...	0	0	5½										0	5	3¾
Hard grey post ...	0	1	8					Black metal ...	0	2	0				
Blue metal, mixed								Dark metal ...	0	2	5½				
with iron ...	3	5	10					Grey stone, mixed							
Black jet or plate ...	0	2	1½					with iron ...	0	3	8				
Hard seggar clay ...	0	2	4					Light post ...	0	1	4				
Grey post ...	0	0	10					Grey and white mixed							
Ironstone ...	0	0	5					post ...	3	3	11				
Hard grey post ...	1	3	10					Grey post ...	0	2	9				
Grey stone, mixed								<b>COAL</b> ...	0	4	0				
with iron ...	0	5	3½										6	2	1½
Blue plate, mixed with								Dark metal ...	0	1	2				
iron ...	0	2	2½					Seggar clay ...	0	2	3				
Dark blue metal {	0	2	3					Grey and white mixed							
} ...	0	0	8			*		post ...	8	1	1				
Hard grey and white								Brown whin stone ...	0	0	5				
post ...	4	0	11					Grey and white post	1	4	11				
<b>COAL—Harvey Seam</b>								Dark grey metal ...	1	0	0				
(this seam is work-								<b>COAL</b> , mixed with							
ing) ...	0	2	2					bands ...	0	2	6				
				27	2	6½							12	0	
Hard plate, mixed with								Dark blue metal ...	2	0	4				
iron ...	0	5	7					Dark grey post ...	0	2	0				
Hard plate or metal...	0	2	3					Blue metal ...	0	5	8				
<b>COAL</b> ...	0	0	3					Grey and white post...	1	0	3				
				1	2	1		Brown whin stone ...	0	2	10				
Dark plate or metal,								White post mixture...	0	0	10				
mixed with iron ...	1	0	1					Blue plate or metal ...	0	3	0				
Grey and white post	4	1	4					Grey post mixture ...	0	3	1				
<b>COAL</b> ...	0	0	2					Blue plate ...	0	1	9				
				5	1	7		White post mixture...	0	1	6				
Dark plate ...	0	0	10					Blue plate mixture ...	0	3	6				
<b>COAL</b> ...	0	0	2					<i>Coal metal</i> ...	0	0	6				
				0	1	0		Plate, mixed with							
Hard dark metal ...	0	4	10					splint ...	0	0	7				
Grey metal, mixed								<b>COAL—Main Coal</b>							
with iron ...	0	4	7					or Brockwell Seam	0	4	2				
Mixed grey and white															
post ...	0	4	5										8	0	0
Light brown whin ...	0	1	2					Grey post ...					0	3	0
White post stone ...	0	2	1												
Blue plate or metal...	0	0	9												
Carried forward	2	5	10	56	2	5		Total ...					87	5	10

Commenced sinking, November 7th, 1864; sunk through the seam, July 7th, 1866. There are 50 fathoms of 12-inch pumps in the West Pit; the East Pit has been sunk without pumps.

\* Approximate sea level (Ordnance datum).



## No. 2,040.—TUDHOE.

TOWNSHIP OF TUDHOE, DURHAM.

Sheet 35 of Ordnance Map. Lat. 54° 42' 56", Long. 1° 35' 0".

Section of the Strata sunk and bored through in the Tudhoe Colliery. 1866.

Approximate surface level 280 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.		
Strong blue clay ...	5	1	0					Brought forward	1	4	6	34	0	10	
Broken freestone ...	1	3	0					White post, mixed							
Post, mixed with whin	3	5	0					with whin ...	1	0	0				
Soft grey metal ...	0	1	10					Dark metal, with gas	4	3	0				
COAL ...	0	0	10	10	5	8		Dark seggar ...	0	2	0				
								Grey post ...	2	3	0				
Light seggar clay ...	0	2	4					Grey metal ...	1	1	6				
Grey metal ...	1	0	10					White post ...	1	1	2				
COAL ...	0	0	11	1	4	1			3	0	10			*	
								COAL—Harvey Seam	0	2	2				
Brown seggar ...	0	2	7									16	0	2	
Grey metal ...	0	1	4					Brown seggar	1	0	6				
COAL ...	0	0	3	0	4	2		COAL ...	0	0	3				
												1	0	9	
Brown seggar ...	0	1	0					Brown seggar	0	2	0				
Grey metal, with post								White post ...	2	1	6				
girdles ...	3	2	0					COAL ...	0	0	3				
Grey metal ...	0	2	0									2	3	9	
COAL ...	0	2	0	4	1	0		Brown seggar	0	3	0				
								White post ...	2	2	8				
— ...	0	0	6					COAL ...	0	0	6				
Brown seggar	0	3	0									3	0	2	
Grey metal, with post								— ...	0	0	5				
girdles ...	1	0	6					COAL ...	0	0	5				
Grey metal ...	2	4	0									0	0	10	
COAL—Hutton Seam	0	2	3	4	4	3		Seggar	0	4	6				
								White post ...	3	1	6				
Dark seggar ...	0	4	4					COAL ...	0	0	3				
White post ...	0	3	0									4	0	3	
Grey metal, with post								Seggar	0	2	0				
girdles ...	1	5	6					COAL ...	0	0	2				
Splint ...	0	0	3	3	1	1						0	2	2	
								Brown seggar	0	2	2				
Grey metal ...	2	0	3					COAL ...	0	0	10				
Black stone ...	0	1	0									0	3	0	
Grey metal and post								Dark seggar ...	0	3	3				
girdles ...	2	1	3					White post ...	1	2	6				
Brown seggar	0	0	8					Grey metal ...	3	2	0				
White post, mixed								Busty Seam—							
with whin ...	3	0	7					COAL ...	Ft. In.						
Grey metal ...	1	0	8					Band ...	2	9					
COAL ...	0	0	2	8	4	7		COAL ...	0	4					
									2	2					
— ...	0	0	6								0	5	3		
Grey metal, with post													6	1	0
girdles ...	1	4	0					Carried forward							
Carried forward	1	4	6	34	0	10									

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	4	6	34	0	10
White post, mixed						
with whin ...	1	0	0			
Dark metal, with gas	4	3	0			
Dark seggar ...	0	2	0			
Grey post ...	2	3	0			
Grey metal ...	1	1	6			
White post ...	1	1	2			
	3	0	10			*
COAL—Harvey Seam	0	2	2			
				16	0	2
Brown seggar	1	0	6			
COAL ...	0	0	3			
Brown seggar	0	2	0			
White post ...	2	1	6			
COAL ...	0	0	3			
Brown seggar	0	3	0			
White post ...	2	2	8			
COAL ...	0	0	6			
— ...	0	0	5			
COAL ...	0	0	5			
Seggar	0	4	6			
White post ...	3	1	6			
COAL ...	0	0	3			
Seggar	0	2	0			
COAL ...	0	0	2			
Brown seggar	0	2	2			
COAL ...	0	0	10			
Dark seggar ...	0	3	3			
White post ...	1	2	6			
Grey metal ...	3	2	0			
Busty Seam—	Ft. In.					
COAL ...	2	9				
Band ...	0	4				
COAL ...	2	2				
				0	5	3
Carried forward				68	0	11

\* Approximate sea level (Ordnance datum).

## No. 2,040.—TUDHOE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward				68	0	11		Brought forward	3	0	0	110	5	6
Dark seggar ...	...	0	2	0				Grey metal ...	...	0	1	6		
Strong white post ...	...	10	0	0				Black stone ...	...	1	0	6		
Grey metal ...	...	1	1	10				<b>COAL</b> ...	...	0	0	4		
<b>COAL</b> , with bands...	...	0	2	0								4	2	4
				11	5	10		White post ...	...	0	2	8		
Black stone ...	...	0	1	10				Post, with metal partings	...	0	5	0		
Seggar ...	...	0	0	10				Grey metal ...	...	0	3	0		
Grey metal and post girdles ...	...	6	2	1				White post ...	...	0	1	0		
<b>COAL</b> — <i>Brockwell</i>	...							Dark grey metal ...	...	1	5	6		
<i>Seam</i> ...	...	0	3	6				Black stone ...	...	1	4	0		
				7	2	3		Blue whin ...	...	0	2	0		
Total sunk ...	...			87	3	0		White post ...	...	0	5	0		
								Grey metal ...	...	3	2	0		
<i>Bored by the Diamond Rock Boring Company:—</i>								<b>COAL</b> , coarse, mixed with brass	...	0	0	4		
Seggar ...	...	0	1	10								10	0	6
White post ...	...	0	1	6				Grey metal ...	...	0	1	8		
Black shale ...	...	0	1	6				Black stone ...	...	0	2	0		
White post ...	...	0	2	0				White post ...	...	1	1	0		
Blue metal ...	...	1	1	0				Grey limestone	...	0	2	0		
<b>COAL</b> ...	...	0	0	1				Grey whin ...	...	0	1	0		
				2	1	11		Grey metal ...	...	0	1	0		
Blue metal ...	...	0	2	1				Blue metal ...	...	0	1	6		
Post girdles ...	...	0	1	6				Grey metal ...	...	0	4	0		
Blue metal ...	...	0	1	3				White post ...	...	0	1	6		
White post ...	...	0	3	6				Grey metal ...	...	1	5	0		
Blue metal ...	...	1	2	0				White post ...	...	8	5	6		
Grey post, with metal partings	...	4	1	9				Grey metal ...	...	3	5	0		
Blue metal ...	...	0	1	0				Black shale, scared with coal	...	0	1	6		
Black shale ...	...	0	2	0								18	2	8
Grey metal ...	...	0	5	2				White post ...	...	3	2	0		
Blue metal ...	...	0	2	2				Grey metal ...	...	0	5	0		
White post, with metal partings	...	0	4	6				White post ...	...	7	5	0		
Black seggar ...	...	0	2	2				Grey metal ...	...	4	3	0		
Grey metal, mixed with post	...	0	4	8				Seggar ...	...	0	1	0		
White post ...	...	0	2	6				Grey metal ...	...	3	0	0		
Post, with metal partings	...	0	3	10				Shaly post ...	...	2	4	0		
White post ...	...	0	1	4				Post ...	...	4	5	0		
Post girdles ...	...	1	3	8				Blue metal ...	...	1	0	0		
Black stone ...	...	0	3	3				White post ...	...	0	3	6		
Bastard seggar ...	...	0	5	0				Limestone ...	...	0	3	6		
Grey metal ...	...	2	0	9				Grey metal ...	...	2	1	0		
White post ...	...	1	4	0				Grey whin ...	...	1	1	0		
Black stone ...	...	0	0	9				Post, with partings	...	3	0	0		
White post ...	...	2	1	3				Grey metal ...	...	2	2	0		
<b>COAL</b> ...	...	0	0	6				Post stone, with partings	...	5	1	0		
				21	0	7		Grey metal ...	...	2	0	0		
Seggar ...	...	0	1	8								45	1	0
Blue stone ...	...	2	4	4										
Carried forward	3	0	0	110	5	6		Total depth sunk and bored	189	0	0			

## No. 2,041.—TUDHOE.

TOWNSHIP OF TUDHOE, DURHAM.

Sheet 35 of Ordnance Map. Lat. 1° 41' 55", Long. 1° 35' 12".

*Section of Strata sunk through at Tudhoe Grange, belonging to the Weardale Iron Co.  
Commenced May 5th, 1869; finished September 2nd, 1870.*

Approximate surface level 380 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset ... ..	0	4	0				Brought forward				48	2	11½
Strong blue clay ...	1	5	0				Brown seggar ...	0	1	7			
Gravel, with water ...	0	4	0				Dark seggar ...	1	0	5			
Strong clay ...	1	5	0				Grey metal, mixed						
Sand ...	1	1	0				with post girdles ...	6	0	6			
Strong blue clay ...	3	2	0				White post ...	0	5	0			
Sand and gravel, with							Post girdles ...	0	5	5			
water ...	1	0	0				Black stone ...	0	1	8			
Strong clay ...	1	0	0				<b>COAL</b> ...	0	1	11			
Loam and sand, with											9	4	6
water ...	1	4	0				Dark seggar ...	0	2	10			
Gravel bed ...	3	3	0				<b>COAL</b> ...	0	0	5			
Strong clay, mixed											0	3	3
with stone...	5	4	0				Seggar ...	0	1	10			
				22	2	0	<b>COAL</b> ...	0	1	0			
White post ...	0	3	6								0	2	10
Blue metal ...	1	1	10				Seggar ...	0	2	10			
Black stone, with jet	0	1	4				Grey metal, mixed						
Seggar ...	0	4	6				with post girdle ...	2	5	7			
Black stone ...	0	0	6				Black stone ...	0	1	0			
Seggar ...	0	0	7				<b>COAL</b> ...	0	2	5			
Grey post ...	1	0	10								3	5	10
Blue stone ...	1	1	7				Seggar band mixed {	0	0	7½			
Black stone ...	0	1	0				with post ...	0	3	9½			*
Seggar ...	0	1	6				<b>COAL—Busty Seam</b>	0	1	11			
Grey metal ...	0	2	6								1	0	4
Broken post ...	1	0	0				Dark seggar ...	1	1	5			
Grey post ...	0	4	3				Broken post ...	7	2	0			
Blue metal ...	0	2	2				Blue metal ...	0	2	10			
Grey metal, mixed							<b>COAL</b> ...	0	0	6			
with post girdles ...	1	4	4								9	0	9
<b>COAL</b> ...	0	0	1				Seggar stone...	0	0	9			
				10	0	6	Blue metal ...	0	3	0			
Black stone ...	0	0	2				<b>COAL</b> ...	0	1	0			
Grey metal, mixed											0	4	9
with post girdles ...	2	1	0				Seggar ...	0	2	6			
Broken post ...	2	0	0				Post girdles ...	0	1	0			
Blue metal ...	2	1	0				Blue stone ...	1	1	0			
Broken post, mixed							Black stone ...	0	2	7			
with whin ...	9	0	4				Dark seggar, with iron						
Black stone ...	0	0	8				balls ...	1	0	2			
<i>Harvey Seam—</i>							Blue metal ...	1	4	7			
<b>COAL</b> ...	2	3½					Post girdles ...	0	0	6			
Seggar band ...	0	5					Grey metal, mixed						
<b>COAL</b> ...	0	7					with post girdle ...	2	5	0			
				0	3	3½							
				16	0	5½							
Carried forward				48	2	11½	Carried forward	7	5	4	74	1	2½

\* Approximate sea level (Ordnance datum).

## No. 2,041.—TUDHOE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	7	5	4	7	4	1	2½	Brought forward			82	4	7½
<i>Brockwell Seam</i> —								Seggar ...	0	3	0		
COAL, badger	Ft.	In.						Broken post ...	1	3	0		
COAL, good	0	7						Grey metal, mixed					
	3	6						with post girdles ...	1	2	0		
			0	4	1							3	2
						8	3	5					0
Carried forward						82	4	7½	Total ...			86	0
												7	½

NOTES.—Diameter of shaft, 12½ feet. Coal got, September 2nd, 1870. 9 fathoms of walling; 30 fathoms of metal tubing; 8 fathoms of walling, Harvey Seam. Harvey Seam arch, 4 feet wide by 5½ feet high; ditto, 10 feet wide by 9 feet high. 4 fathoms of metal tubing; 8 fathoms of two-foot walling, Busty Seam. One arch, 10 feet, and one arch, 3 feet wide, 4 feet high, Busty Seam. 18 fathoms of walling. Brockwell Seam, two arches, 10 feet. 20 feet of walling to sump.

## No. 2,042.—TURSDALE.

TOWNSHIP OF CASSOP, DURHAM.

Sheet 35 of Ordnance Map. Lat. 54° 43' 18", Long. 1° 32' 10".

*An Account of the Boring in Tursdale Estate, by the side of the Cart Road leading to Tursdale, from Hogger's Gate, on the left hand side of the Road in the Third Field from the Highway. July 27th, 1854.*

Approximate surface level 300 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	2	0				Brought forward				21	4	5
Strong clay and gravel ...	0	5	0				Grey metal ...	5	2	0			
Sand, with water ...	0	5	0				Dark metal ...	1	0	0			
Brown ramble ...	2	1	0				Grey post ...	2	4	0			
Blue clay ...	1	3	6				Grey metal ...	1	0	0			
Sand ...	0	1	6				COAL, slaty— <i>Top of</i>						
Brown clay ...	1	0	0				<i>Hutton Seam</i> ...	0	2	0			
Stony clay ...	4	5	3								10	2	0
				11	5	3	Grey metal ...	5	0	6			
Soft brown post ...	0	1	6				<i>Bottom of Hutton Seam</i> —						
Grey post ...	6	4	0										
Soft parting ...	0	2	6				COAL, good	2	1				
Stony white post ...	1	5	9				COAL, splint	0	5				
Grey metal ...	0	0	7				COAL, good	0	7				
<i>Supposed Low Main</i>											0	3	1
<i>Seam</i> —													
COAL, strong	Ft.	In.					Grey metal, with hard				5	3	7
COAL, coarse	2	7					girdles ...	7	1	0			
	0	3											
			0	2	10		Carried forward	7	1	0	37	4	0
						9	5	2					
Carried forward						21	4	5					



## No. 2,042.—TURSDALE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	7	1	0	37	4	0
White post, with water at 4 feet, and water at 9 feet from the top	2	3	0			
Grey metal, with post girdles ...	1	1	0			
Grey post ...	1	3	0			
	0	1	0			*
Metal stone, with girdles ...	3	0	0			
Dark metal ...	0	5	6			
Grey metal, with girdles ...	2	1	0			
White post ...	0	4	0			
Grey metal stone, in- clining to post ...	1	5	0			
Grey post ...	0	3	0			
Grey metal ...	1	1	0			
Dark metal ...	0	0	3			
COAL, with sulphur —Harvey Seam ...	0	2	0			
				23	0	9
Grey metal ...	1	3	0			
Dark metal ...	0	3	0			
Carried forward	2	0	0	60	4	9

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	0	0	60	4	9
White post ...	0	3	8			
Grey metal stone, with girdles ...	8	3	7			
Strong white post, with whin ...	0	3	0			
Grey metal ...	0	3	8			
Post ...	0	1	2			
Grey metal, with gir- dles ...	2	3	0			
White post ...	6	5	7			
Grey metal ...	0	1	2			
Busty Seam—	Ft. In.					
COAL, good	3	11				
COAL, foul	0	7				
				0	4	6
						22 5 4
Grey metal ...	0	0	2			
Into iron stone ...	0	0	1			
						0 0 3
Total ...						83 4 4

\* Approximate sea level (Ordnance datum).

## No. 2,043.—TURSDALE.

TOWNSHIP OF CASSOP, DURHAM.

Sheet 35 of Ordnance Map. Lat. 54° 43' 2", Long. 1° 31' 53".

*Section of Strata sunk through at Tursdale Colliery. 1859.*

Approximate surface level 300 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	14	1	6			
Yellow clay ...	1	0	0				Soft blue metal ...	0	2	0			
Sand and gravel, with water ...	4	1	0				Grey post ...	2	2	0			
Blue clay ...	5	0	6				Whin ...	0	2	6			
Sand, with water ...	0	3	0				Strong white post ...	3	4	2			
Blue clay ...	3	2	0				COAL— <i>Low Main</i> <i>Seam</i> ...	0	2	0			
											21	2	2
Carried forward	14	1	6				Carried forward				21	2	2

## No. 2,043.—TURSDALE.—CONTINUED.

Brought forward			Fs.	Ft.	In.	Ft. In.			Brought forward			Fs.	Ft.	In.	Fs. Ft. In.		
						21	2	2							67	5	11
Fire clay	...	...	0	3	10				Fire clay	...	...	0	4	9			
Grey post, mixed with	...	...							Strong grey metal	...	...	0	4	0			
bastard whin	...	...	2	1	6				<b>COAL</b>	...	...	0	0	6			
Grey metal	...	...	3	0	6										1	3	3
<b>COAL</b>	...	...	0	0	4				Dark metal	...	...	0	0	6			
						6	0	2	Fire clay	...	...	0	2	0			
Fire clay	...	...	0	1	6				Grey post	...	...	1	0	4			
Grey post	...	...	1	0	11				<b>COAL</b>	...	...	0	0	2			
Dark post, with girdles	...	...	0	5	3										1	3	0
<b>COAL</b>	...	...	0	0	6				Fire clay	...	...	0	4	8			
						2	2	2	Grey metal, with girdles	...	...	10	4	5			
Grey metal	...	...	0	3	8				Grey post	...	...	6	2	5			
<b>COAL</b>	...	...	0	0	2				Grey metal, with iron-	...	...	1	3	7			
						0	3	10	stone	...	...						
Fire clay	...	...	0	0	8				<i>Busty Seam—</i>								
Grey metal	...	...	0	3	4				<b>COAL</b>	...	...	2	8				
Strong grey metal, in-	...	...							Band	...	...	0	10				
clining to post	...	...	0	1	2				<b>COAL</b>	...	...	2	0				
Grey post, with whin	...	...												0	5	6	
girdles and water...	...	...	1	2	8										20	2	7
Grey metal, with post	...	...							Total	...	...				91	2	9
girdles	...	...	0	5	10												
<b>COAL—Top of Hut-</b>	...	...															
ton Seam	...	...	0	1	10				<i>Sunk through further</i>								
						3	3	6	<i>in a Staple, at 70</i>								
Fire clay	...	...	0	1	6				<i>chains N. 45° W.</i>								
Grey metal, with iron-	...	...							<i>from Pit Shaft:—</i>								
stone bands	...	...	3	1	7				Strong seggar	...	...	0	1	3			
<b>COAL — Bottom of</b>	...	...							Grey metal	...	...	0	5	3			
Hutton Seam	...	...	0	1	5				Strong white post	...	...	9	0	0			
						3	4	6	Soft blue stone	...	...	0	2	5			
Fire clay	...	...	0	2	8												
Grey metal	...	...	2	4	0				<b>COAL</b>	...	Ft. In.						
Grey post, with whin	...	...							Seggar band	...	...	0	4				
girdles	...	...	1	4	4				<b>COAL</b>	...	...	1	4				
Grey metal, with iron-	...	...												0	2	2	
stone	...	...	2	1	6										10	5	1
Strong grey post, {	...	...	5	1	2				Seggar band	...	...	0	2	6			
with water	...	...	1	1	1			*	Post	...	...	1	0	0			
Strong grey metal,	...	...							Grey metal	...	...	2	4	0			
mixed with post	...	...	2	0	4				Black stone	...	...	0	1	6			
Dark metal, with iron-	...	...							Grey metal	...	...	0	2	6			
stone bands	...	...	0	3	0				Black stone	...	...	0	1	10			
<b>COAL</b>	...	...	0	0	4				Blue metal	...	...	0	1	1			
						16	0	5	Post	...	...	2	5	8			
Fire clay	...	...	0	1	0				Blue metal	...	...	0	4	3			
Grey metal	...	...	0	1	2				Black stone or badger	...	...	0	0	7			
Strong grey post, with	...	...							<i>Brockwell Seam—</i>								
girdles	...	...	1	4	7				<b>COAL</b>	...	Ft. In.						
Grey metal, with girdles	...	...	5	1	3½				Seggar band	...	...	0	3				
<b>COAL</b>	...	...	0	0	0½				<b>COAL</b>	...	...	0	4½				
						7	2	1	Black stone	...	...						
Fire clay	...	...	1	2	10				band	...	...	0	3				
Grey metal	...	...	5	0	0				<b>COAL</b>	...	...	1	4½				
<b>COAL—Harvey Seam</b>	...	...	0	2	3									0	4	0	
						6	5	1							9	3	11
Carried forward						67	5	11	Total	...	...				111	5	9

\* Approximate sea level (Ordnance datum).

## No. 2,044.—TURSDALE.

TOWNSHIP OF CASSOP, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long

*An Account of Boring below the Busty Seam at Tursdale Colliery South of Shaft.  
January, 1864.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Metal ... ..	0	4	0				Brought forward				21	1	10
White post ... ..	7	3	6				Metal ... ..	0	0	2			
Metal stone ... ..	3	0	0				Post ... ..	2	1	10			
Post ... ..	1	0	0				Whin ... ..	0	1	2			
Metal ... ..	1	1	0				Post ... ..	0	0	6			
Strong post ... ..	0	4	1				Black metal ... ..	0	1	0			
Whin ... ..	0	0	11				Grey metal ... ..	0	5	0			
Grey metal ... ..	3	0	0				Post ... ..	0	4	0			
Metal, mixed with							Whin ... ..	0	2	0			
coal ... ..	0	0	3				Post ... ..	1	3	9			
Grey metal ... ..	0	0	6				Metal, with post						
COAL ... ..	0	0	8				girdles ... ..	1	1	3			
				17	2	11	COAL ... ..	0	0	3			
Metal ... ..	1	1	0								7	2	11
Black metal ... ..	0	0	6										
Grey metal ... ..	2	2	0										
COAL ... ..	0	1	5										
				3	4	11							
Carried forward				21	1	10	Depth below the Busty Seam				28	4	9

## No. 2,045.—TURSDALE.

TOWNSHIP OF CASSOP, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

*Strata sunk through in a Staple in Tursdale Pit from the Busty Seam. 1867-68.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Depth to Busty Seam				91	2	9	Brought forward				99	4	2
Seggar ... ..	0	3	7				Seggar ... ..	0	2	4			
White post ... ..	7	2	0				White post ... ..	0	3	9			
COAL ... ..							Grey metal ... ..	0	3	6			
Ft. In.							White post, with whin	1	2	8			
Slaty band ... ..	0	6					Grey metal ... ..	1	2	6			
COAL ... ..	1	0					Seggar ... ..	0	5	0			
				0	1	10							
				8	1	5	Carried forward	5	1	9	99	4	2
Carried forward				99	4	2							

## No. 2,045.—TURSDALE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	5	1	9	99	4	2	Brought forward	3	4	4	134	3	8½
Grey metal, with post girdles ...	5	1	0				White post ...	0	3	5			
Whin ...	0	1	7				Whin ...	0	1	11			
Grey metal, with thin post girdles ...	2	0	6				White post ...	1	3	11			
COAL ...	0	0	9				Grey metal ...	0	1	8			
				12	5	7	White post ...	0	0	1	3		
Black stone ...	0	0	4				COAL ...	0	0	2			
White post ...	0	2	0								6	4	8
Grey metal ...	0	1	6				White post ...	3	0	8			
White post ...	0	2	0				Grey post ...	0	0	8			
Grey metal ...	1	0	0				Grey metal, with iron girdles ...	2	0	0			
COAL ...	0	0	1½				White post ...	0	1	6			
				1	5	11½	Grey post ...	0	3	10			
Seggar ...	0	0	8				Grey metal ...	3	0	7			
Grey post ...	0	5	0				COAL ...	0	0	2			
Grey metal ...	1	0	0								9	1	5
Whin ...	0	1	10				Whin ...	0	1	5			
Grey post ...	0	4	0				White post ...	1	0	10			
Grey metal ...	2	2	0				Grey metal ...	0	2	9			
Grey post ...	1	5	0				Iron girdle ...	0	0	3			
Whin ...	0	1	8				Grey post ...	0	1	7			
Grey metal ...	1	2	0				Whin ...	0	2	1			
Black stone ...	0	3	8				Hard white post ...	1	0	2			
COAL ...	0	0	4				Grey post ...	0	1	4			
				9	2	2	Grey metal, with post girdles ...	2	4	0			
Seggar ...	0	3	6				Grey metal ...	3	3	11			
Grey metal ...	0	1	4				Black stone ...	0	1	1			
				0	4	10	White post ...	0	5	8			
Total depth to bottom of staple	124	4	8½				Whin ...	0	0	10			
							White post ...	2	3	11			
Strata bored through from the Bottom of the Staple:—							Grey metal ...	2	0	3			
Grey metal ...	0	1	8				COAL ...	0	0	3			
Hard girdle ...	0	0	6								16	0	4
Grey metal ...	1	0	0				Seggar ...	0	1	2			
White post ...	1	0	9				White post ...	0	1	3			
Grey post ...	0	1	0				Grey metal, with post girdles ...	0	5	3			
Grey metal ...	0	1	4				White post ...	1	5	0			
White post ...	1	3	9				Grey metal ...	0	3	4			
Grey post ...	0	3	7				Black stone ...	0	0	8			
Grey metal ...	0	5	4				White post ...	5	0	3			
COAL ...	0	0	4				Whin ...	0	0	6			
				6	0	2	White post ...	0	1	3			
Seggar ...	0	2	2				Grey metal, with post girdles ...	1	0	9			
Grey metal ...	0	5	11				White post ...	0	5	6			
White post ...	0	2	8								11	0	11
Grey metal ...	1	5	1										
COAL ...	0	1	0										
				3	4	10							
Seggar ...	0	2	4										
Grey metal, with iron girdles ...	3	2	0										
Carried forward	3	4	4	134	3	8½	Total ...				177	5	0½



## No. 2,046.—TWIZELL.

TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat , Long.*August 5th, 1795.—Account of the No. 1 Boring at Twizell, about 150 yards to the Eastward from the Hall.*

Approximate surface level      feet above sea (Ordnance datum).

						Fs.	Ft.	In.	Fs.	Ft.	In.
Soil, with a mixture of sand	...	...	...	...	...	0	0	8			
Sand, with a small feeder of water at 7 feet from top	...	...	...	...	...	2	3	4			
Blue swelling clay, mixed with sand	...	...	...	...	...	4	0	0			
Leafy clay	...	...	...	...	...	0	1	6			
Sand, with water	...	...	...	...	...	0	1	6			
Stony clay, mixed with ramble	...	...	...	...	...	1	5	0			
In stony clay	...	...	...	...	...	1	4	0			
									10	4	0
Total	...	...	...	...	...				10	4	0

## No. 2,047.—TWIZELL.

TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat , Long.*Bored in the Second Place at Twizell, 50 yards to the S.S.W. of the First Hole.*

Approximate surface level      feet above sea (Ordnance datum).

						Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and sand	...	...	...	...	...	0	1	0			
Stony clay	...	...	...	...	...	0	4	8			
In sand, with water	...	...	...	...	...	3	0	0			
									3	5	8
Total	...	...	...	...	...				3	5	8

## No. 2,048.—TWIZELL.

TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

*Bored in the Third Place at Twizell Colliery, about 7 yards to the N.N.E. of the First Hole.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil, mixed with sandy gravel ... ..	0	1	0				Brought forward	11	4	6			
Sand, with scares of coal ... ..	1	0	0				Sand, with water ...	0	2	6			
Sand, with a small feeder of water ...	0	5	0				Leafy clay, mixed with sand ... ..	1	0	0			
Blue swelling clay, mixed with sand ...	5	3	0				Stony clay ... ..	1	4	0			
Gravel, mixed with clay and sand ...	1	1	0				Sandy gravel, mixed with stony clay ...	2	1	0			
Stony clay ... ..	1	4	0				Sand, with a small mixture of clay ...	0	5	0			
Leafy clay, mixed with sand ... ..	0	3	0				Sand, with scares of leafy clay ... ..	0	1	0			
Sand ... ..	0	1	3				Grey metal and ramble	0	0	9			
Leafy clay, mixed with sand ... ..	0	4	3				In strong stony clay	5	2	3			
Carried forward	11	4	6								23	3	0
							Total ... ..				23	3	0

## No. 2,049.—TWIZELL.

TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

*Bored in the Fourth Place at Twizell, about 185 yards to the Southward from the First Hole.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	1	0				Brought forward	1	5	6	6	1	0
Strong clay ... ..	0	3	6				Gravel ... ..	0	4	6			
Sand, with water ...	1	1	6				Stony clay ... ..	0	1	6			
Sand, mixed with leafy clay in several places ... ..	2	4	6				Sand ... ..	0	0	6			
Leafy clay ... ..	1	1	9				Stony clay ... ..	0	2	0			
Sand, with water ...	0	0	9				Leafy clay ... ..	0	5	6			
				6	1	0	Sand, mixed with clay	0	1	6			
Stony clay ... ..	0	2	0				Leafy clay, with small beds of sand ...	1	0	0			
Sand, with water ...	1	3	6				In stony clay ... ..	0	2	0			
Carried forward	1	5	6	6	1	0					5	5	0
							Total ... ..				12	0	0



## No. 2,052.—TWIZELL.

TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.*Bored in the Seventh Place at Twizell on West Side of Hall.*

Approximate surface level      feet above sea (Ordnance datum).

							Fs.	Ft.	In.	Fs.	Ft.	In.
Sand	...	...	...	...	...	...	1	5	0			
In sand, with water	...	...	...	...	...	...	1	4	0			
										3	3	0
Total	...	...	...	...	...	...				3	3	0

## No. 2,053.—TWIZELL.

TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.*Bored in the Eighth Place in Twizell Estate, about 400 yards to the South-west from the Engine. February 25th, 1805.*

Approximate surface level      feet above sea (Ordnance datum).

							Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	...	...	...	...	...	...	0	0	4			
Gravel	...	...	...	...	...	...	1	4	0			
Sand, with gravelly stones	...	...	...	...	...	...	0	1	0			
<b>COAL</b> , foul, with gravelly stones	...	...	...	...	...	...	0	2	0			
										2	1	4
Mixture of sand and clay, with gravelly clay	...	...	...	...	...	...	1	3	8			
Sand, with a sipping of water	...	...	...	...	...	...	3	3	0			
Carried forward							5	0	8	2	1	4
Brought forward							5	0	8	2	1	4
Strong stony clay	...	...	...	...	...	...	2	0	0			
Sand, with water	...	...	...	...	...	...	0	4	0			
Strong stony clay	...	...	...	...	...	...	1	3	0			
Sand	...	...	...	...	...	...	1	0	0			
Stony clay	...	...	...	...	...	...	0	2	0			
A whin tumbler	...	...	...	...	...	...	0	0	10			
Stony clay	...	...	...	...	...	...	2	0	2			
										12	4	8
Total	...	...	...	...	...	...				15	0	0



## No. 2,054.—TWIZELL.

TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat. \_\_\_\_\_, Long. \_\_\_\_\_

*Bored in the Ninth Place at Twizell in a Clover Field called \_\_\_\_\_, about 100 yards from the North Corner, and about 400 yards North-west of the First Hole.*

Approximate surface level \_\_\_\_\_ feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay, mixed							Brought forward	3	5	0			
with gravel ..	0	3	0				Leafy clay ...	0	1	0			
Sand, mixed with							Stony clay ...	0	5	0			
gravel ...	0	1	6				Sand, with water ...	2	2	6			
Strong gravel ...	0	3	0				In clay ...	0	0	6			
Gravel, with water ...	0	4	0								7	2	0
Sand, with water ...	1	5	6										
Carried forward	3	5	0				Total ...				7	2	0

## No. 2,055.—TWIZELL.

TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat. \_\_\_\_\_, Long. \_\_\_\_\_

*Bored in the Tenth Place at Twizell, 10 yards towards the First Pit from the Ninth Hole.*

Approximate surface level \_\_\_\_\_ feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and sand ...	0	3	0				Brought forward	8	0	0	5	4	0
Stony clay, with a							Blue metal ...	0	1	3			
mixture of sand ...	0	3	0				Black metal ...	0	0	4			
Rambly gravel, with							<b>COAL</b> ...	0	4	2			
water ...	1	0	0								8	5	9
Rocky sand, with							Grey post, with metal						
water ...	1	0	0				partings ...	2	3	3			
Stony clay ...	2	4	0				In grey metal stone,						
				5	4	0	with hard girdles...	1	2	0			
Blue and brown scamy											3	5	3
metal ...	1	0	0										
Blue grey metal and							Total ...				18	3	0
metal stone with													
post girdles ...	7	0	0										
Carried forward	8	0	0	5	4	0							

## No. 2,056.—TWIZELL.

TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

*Bored in the Eleventh Place at Twizell, about 3 yards to the North-west of the First Place.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil, mixed with sand	0	1	0				Brought forward	4	0	0	7	5	6
Clay, mixed with gravel ...	0	2	0				Sand, mixed with leafy clay and water	0	1	6			
Gravel, mixed with sand ...	0	1	6				Leafy clay ...	0	5	6			
				0	4	6	Stony clay ...	0	4	0			
Sand, with water and a small mixture of clay ...	0	5	6				Stony clay, mixed with sandy gravel	1	5	0			
Brown sand ...	0	3	9				Sand ...	0	1	0			
Blue sand, with a small mixture of clay ...	0	3	9				Stony clay, with mixture of gravel in some places ...	0	4	6			
				2	1	0	Sandy gravel ...	0	3	0			
Leafy clay, mixed with sand ...	3	5	6				Sand, with a mixture of leafy clay ...	0	1	4			
Stony clay, mixed with sand and gravel ...	1	0	6				Stony clay ...	0	5	8			
				5	0	0	Sand, mixed with clay, with water ...	0	1	6			
Strong stony clay ...	3	0	0				Strong stony clay ...	9	3	6			
Leafy clay, with scars of sand ...	1	0	0								20	0	6
							In brown and grey scamy post ...				1	4	6
Carried forward	4	0	0	7	5	6	Total ...				29	4	6

## No. 2,057.—TWIZELL.

TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

*Account of Boring in the Twelfth Place at Twizell, about 7 yards to South-east of First Place. February 12th, 1796.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Black soil ...	0	0	6				Brought forward	3	5	0			
Sand, with gravelly clay ...	0	2	6				Blue sand, with a small mixture of clay ...	0	4	0			
Sand, with small beds of gravel ...	1	1	0				Leafy clay, mixed with sand ...	0	0	9			
Sand, with water and a small mixture of clay	0	5	0				Clay, mixed with sand	2	0	7			
Brown sand, mixed with swelling clay	1	2	0				In leafy clay ...	0	0	2			
											6	4	6
Carried forward	3	5	0				Total ...				6	4	6

## No. 2,058.—TWIZELL.

TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

*Account of the Boring in a Staple at Twizell, near the Burn Side. Nov. 10th, 1795.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to the scaffold, about ...	6	0	0				Brought forward	3	1	0	34	1	0
Box through rubbish	3	3	0				Whin ...	0	1	6			
				9	3	0	Dark grey metal, with girdles ...	1	1	0			
Grey metal stone, with hard girdles ...	6	4	6				COAL ..	0	2	7			
Grey post, with water	0	4	6								5	0	1
Grey metal stone ...	0	1	0				Grey metal stone, with water ...	1	0	0			
Brown and grey post, with whin girdles and scamy partings and water ...	9	5	0				White post ...	0	1	0			
Grey metal stone and white post, with hard girdles ...	3	3	0				Grey metal ...	0	0	3			
White post ...	3	1	6				COAL ...	0	0	11			
COAL ...	0	2	6								1	2	2
				24	4	0	Black and grey metal	0	2	0			
Black grey metal, with small bands of coal ...	0	2	0				Grey metal stone, with post girdles ...	0	5	0			
Grey metal stone ...	2	4	3				Whin mixture ...	0	1	0			
White post, with a mixture of whin ...	0	0	9				Grey scamy post ...	0	5	6			
							Grey metal stone ...	0	2	0			
Carried forward	3	1	0	34	1	0	Blue grey metal stone, with girdles ...	2	2	6			
							COAL ...	0	3	3			
											5	3	3
							In whitish grey metal				0	1	0
							Total ...				46	1	6

## No. 2,059.—TWIZELL.

TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

*Account of a Boring in the Bottom of a Staple, near the Engine Pit, at Twizell,  
from Hutton Seam. June 10th, 1799.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Grey metal ...	0	0	6				Brought forward	12	2	0	0	1	0
COAL, foul ...	0	0	6				Grey girdly post, with metal partings ...	3	3	0			
				0	1	0	Whin mixture ...	4	5	0			
Strong grey metal stone	5	5	0				Strong blue grey metal stone ...	0	2	0			
Grey post, with much water ...	6	3	0										
Carried forward	12	2	0	0	1	0	Carried forward	21	0	0	0	1	0

## No. 2,059.—TWIZELL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	21	0	0	0	1	0		Brought forward			31	5	0
Whin mixture ...	1	2	0					Dark grey metal ...	0	1	0		
A cashy parting or								Grey metal stone ...	0	4	6		
<i>coal</i> ...	0	0	3					Dark grey metal ...	0	1	2		
Grey metal stone, with								Soft brown scamy					
post girdles ...	2	1	8					stone ...	0	2	6		
Black slaty metal,								Grey metal stone ...	0	3	8		
mixed with <i>coal</i> ...	0	1	1					Whin mixture ...	0	0	6		
				24	5	0		Grey metal stone ...	0	0	8		
Whitish grey metal...	0	1	0					White post ...	1	1	0		
Strong whitish grey								Whin ...	0	1	6		
metal stone ...	3	3	0					Strong white post,					
Strong white post,								mixed with whin ...	0	1	4		
with a mixture of								In whin mixture ...	0	1	7		
whin ...	1	3	6								4	1	5
Whitish grey metal...	1	3	0										
Black grey metal or													
<i>coal</i> , with water ...	0	0	6										
				6	5	0							
Carried forward				31	5	0		Depth below <i>Hutton Seam</i> ...	36	0	5		

## No. 2,060.—TWIZELL.

TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 12 of Ordnance Map.      Lat.      , Long.

*Account of a Boring in the Coal Pit at Twizell, in the East part of Ground.  
1739 and 1740.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Box ...				0	1	8	Brought forward	8	3	6	0	1	8
White metal stone, with brown scames	0	3	0				Grey post girdles, with metal partings	1	0	0			
A black parting ...	0	0	6				Brown and white post, with brown and blue partings, with much water ...	2	0	0			
White post ...	0	5	0				Brown and grey post, with brown partings	3	3	0			
Brown and white post, with water ...	1	4	0				White post, with brown and grey scamy partings ...	6	0	0			
Grey metal stone, with girdles or cat- heads ...	1	0	0				Coal pipy post ...	0	2	6			
Black slaty metal, with a small mixture of coal ...	0	3	0				Brown and white post girdles, with blue scamy partings ...	3	3	0			
Blue and grey metal with catheads and girdles, with water	2	3	0										
Blue metal, with cat- heads ...	1	3	0										
Carried forward	8	3	6	0	1	8	Carried forward	25	0	0	0	1	8





## No. 2,061.—TWIZELL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	19	3	8	19	0	10		Brought forward			49	5	4 $\frac{1}{2}$
Blue metal ...	0	0	11					Thill stone ...	0	1	8		
Strong white post, in								Post ...	0	1	6		
which the water in-								Whin girdles ...	0	1	6		
creased to 13 strokes								Blue stone ...	0	2	4		
per minute; stone								Whin ...	0	0	8		
very hard last two								Blue stone ...	1	2	1		
fathoms ...	5	3	0					White post ...	0	0	6		
<i>Maudlin Seam</i> —								Blue stone ...	0	2	7		
COAL, tender	0	2						White post ...	0	1	8		
COAL, good	2	4						Blue stone ...	0	0	6		
Black band...	0	4						Whin ...	0	1	2		
COAL, coarse	1	2						Blue stone, with post					
				0	4	0		girdles ...	1	0	2		
				25	5	7		<i>Hutton Seam</i> —					
Blue metal stone, with								COAL, good	3	10			
post girdles ...	3	5	5					Slaty band ...	0	3			
<i>Low Main Seam</i> —								COAL, coarse	0	6			
COAL, good	3	2						COAL, band	1	6			
Grey post band	1	1 $\frac{1}{2}$									1	0	1
COAL, bot-											5	4	5
tom ...	1	3						Thill stone ...	0	2	0		
				0	5	6 $\frac{1}{2}$		In blue stone ...	1	0	5		
				4	4	11 $\frac{1}{2}$					1	2	5
Carried forward				49	5	4 $\frac{1}{2}$		Total ...			*57	0	2 $\frac{1}{2}$

\* Approximate sea level 128 feet below this.

## No. 2,062.—TYNE MAIN.

TOWNSHIP OF GATESHEAD, EAST WARD, DURHAM.

Sheet 3 of Ordnance Map. Lat. , Long.

*Account of Strata sunk and bored through at the Engine Pit, Tyne Main Colliery, from the Thill of the Low Main Coal. 1798.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
<i>Sunk</i> :—							Brought forward				9	1	1
COAL, ground, and							Black stone ...	5	1	0			
thill ...	0	4	0				White post ...	3	4	0			
Grey stone ...	3	2	0								8	5	0
COAL ...	0	0	9				Total sunk				18	0	1
				4	0	9							
Blue stone ...	4	0	0				<i>Bored</i> :—						
Post girdles ...	1	0	0				White post ...	2	1	2			
COAL ...	0	0	4				Black stone ...	1	0	0			
				5	0	4	COAL ...	0	0	5			
											3	1	7
Carried forward				9	1	1	Carried forward				21	1	8

## No. 2,062.—TYNE MAIN.—CONTINUED.

Brought forward			Fs.	Ft.	In.	Fs.	Ft.	In.
			21	1	8			
Thill	...	...	0	4	0			
Blue stone	...	...	1	0	8			
COAL, with water	...	...	0	0	3			
						1	4	11
Grey stone	...	...	4	2	8			
COAL	...	...	0	0	8			
						4	3	4
Thill	...	...	0	1	0			
White post	...	...	1	3	0			
Blue stone	...	...	0	0	2			
<i>Beaumont Seam</i> —								
			Ft.	In.				
COAL	...	...	0	10				
Grey stone	...	...	0	10				
COAL, foul,	...	...						
slaty	...	...	0	2				
COAL	...	...	1	10				
					0	3	8	
						2	1	10
Carried forward						29	5	9

Brought forward			Fs.	Ft.	In.	Fs.	Ft.	In.
			29	5	9			
Thill	...	...	0	1	6			
White post	...	...	2	4	4			
Whin	...	...	0	0	10			
Grey post	...	...	2	5	4			
COAL	...	...	0	0	5			
						6	0	5
Grey stone	...	...	0	4	10			
COAL	...	...	0	0	7			
Grey post, with part-	...	...						
ings	...	...	4	2	10			
COAL— <i>Denton Low</i>	...	...						
<i>Main Seam</i>	...	...	0	0	3			
						5	2	6
Grey metal stone	...	...	0	3	0			
Black stone	...	...	1	3	3			
White post	...	...	1	1	10			
Blue stone	...	...	0	0	9			
White post	...	...	5	0	3			
						8	3	1
Total below the <i>Low Main Seam</i>						49	5	9

## No. 2,063.—TYNE MAIN.

TOWNSHIP OF GATESHEAD, EAST WARD, DURHAM.

Sheet 3 of Ordnance Map. Lat. 54° 57' 43", Long. 1° 34' 15".

*Strata sunk through in the William Pit, Tyne Main Colliery. January 14th, 1841.*

Approximate surface level 75 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Rubbish ... ..	1	2	2			
Soil ... ..	0	1	0			
Blue clay, with sand						
partings ... ..	1	3	4			
Strong blue gravelly						
clay ... ..	8	2	8			
Loamy clay, mixed	0	5	10			
with sand ... ..	0	3	2			
Broken metal, mixed						
with sand ... ..	2	2	0			
Black metal, mixed						
with coal ... ..	0	0	10			
Seggar clay ... ..	0	1	11			
COAL ... ..	0	1	10			
				16	0	9
Soft grey metal ...	2	2	5			
Freestone, with whin	2	5	10			
Freestone, with post	0	5	0			
COAL, splint ...	0	0	6			
				6	1	9
Soft grey metal ...	1	3	6			
Carried forward	1	3	6	22	2	6

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	3	6	22	2	6
Black stone ... ..	0	0	5			
COAL ... ..	0	0	11			
				1	4	10
Grey metal ... ..	0	3	8			
Broken grey metal						
and post girdles ...	0	5	10			
Broken soft blue metal	1	3	10			
COAL ... ..	0	0	2			
				3	1	6
Soft grey metal thill	0	1	8			
Soft grey metal thill	1	1	0			
Grey metal ... ..	0	5	2			
Soft broken metal ...	0	5	2			
Soft metal or seggar						
clay ... ..	0	5	2			
Blue stone ... ..	0	5	2			
Soft blue stone ...	0	3	2			
COAL and black						
stone ... ..	0	1	0			
				5	3	6
Carried forward				33	0	4

\* Approximate sea level (Ordnance datum).





## No. 2,063.—TYNE MAIN.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				111	4	3	Brought forward	2	4	2	111	4	3
Sump—grey thill ...	0	5	0				Blue metal, with hard						
Grey stone ...	1	5	0				girdle ...	2	0	10			
Hard grey post ...	0	0	2								4	5	0
Carried forward	2	4	2	111	4	3	Total ...				116	3	3

## No. 2,064.—TYNEMOUTH.

TOWNSHIP OF TYNEMOUTH, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

*Bored 40 yards from the Spanish Battery, on the Shore, near Tynemouth.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Scamy post ...	0	2	0			
Grey metal stone ...	3	5	0			
Black stone ...	0	1	4			
<i>Low Main Seam—</i>						
COAL, bad swaddy ...	1	11				
Grey stone ...	0	4				
COAL, bad swaddy ...	0	10				
				0	3	1
White thill ...				4	5	5
				0	1	6
Total ...				5	0	11

## No. 2,065.—TYNEMOUTH.

TOWNSHIP OF TYNEMOUTH, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

*Account of Boring near the Black Middens, North Shields. No. 1 Hole. June 24th, 1818.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Grey metal stone ...	4	0	0			
Grey metal stone, with thick post girdles and water	3	5	10			
Light grey metal ...	3	1	0			
Dark metal ...	0	0	11			
COAL—Five Feet Seam ...	0	4	2			
				11	5	2
Dark thill ...				0	0	10
Total ...				12	0	0

## No. 2,066.—TYNEMOUTH.

TOWNSHIP OF TYNEMOUTH, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

*No. 2 Hole, bored 250 yards South-west from last Hole. June 28th, 1818.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Clay ... ..	7	0	0					Brought forward	10	1	9	7	3	3
Sand ... ..	0	3	0					Blue metal ... ..	1	1	0			
<b>COAL</b> ... ..	0	0	3					<b>COAL</b> , swaddy ... ..	0	0	5			
				7	3	3		Dark <i>coaly thill</i> ... ..	0	0	10			
Dark grey thill ... ..	0	0	9					Grey metal, with post						
Dark grey metal stone	2	2	0					girdles and water...	1	1	4			
White post, with metal								<b>COAL</b> , with splint						
partings and water,								in middle— <i>Five Feet</i>						
including 3 feet of								<i>Seam</i> ... ..	0	2	4			
whin ... ..	5	0	0									13	1	8
Grey metal stone, with														
post girdles ... ..	2	5	0											
Carried forward	10	1	9	7	3	3		Total ... ..				20	4	11

## No. 2,067.—TYNEMOUTH.

TOWNSHIP OF TYNEMOUTH, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

*A Borehole at Tynemouth, 100 yards West of the Workhouse, near the Haven, put down to the Stone Head; foundation for the Collingwood Monument. June 10th, 1841.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	2	0			
Strong yellow clay ... ..	0	2	0			
Dark blue clay, with pebbles	4	0	0			
Sand, with water ... ..	0	2	3			
Strong dark blue clay, with pebbles	2	2	3			
Red clay ... ..	0	0	6			
Grey post, with red bands	0	4	6			
				8	1	6
Total ... ..				8	1	6

## No. 2,068.—TYNEMOUTH.

TOWNSHIP OF TYNEMOUTH, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

Long.

*Borings made at the Low Lights, North Shields, on site of proposed Dock. 1852.  
No. 1.*

Approximate surface level      feet above sea (Ordnance datum).

						Fs.	Ft.	In.	Fs.	Ft.	In.
Sand and gravel	...	...	...	...	...	0	1	6			
Yellow clay	...	...	...	...	...	0	0	8			
Mild freestone	...	...	...	...	...	0	5	4			
<b>COAL</b> , very rotten...	...	...	...	...	...	0	0	8			
Grey thill, very rotten	...	...	...	...	...	0	2	6			
Hard blue metal	...	...	...	...	...	0	4	9			
Hard grey metal	...	...	...	...	...	0	2	9			
									3	0	2
Total	...	...	...	...	...				3	0	2

## No. 2,069.—TYNEMOUTH.

TOWNSHIP OF TYNEMOUTH, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

Long.

No. 2.

Approximate surface level      feet above sea (Ordnance datum).

				Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Gravel and sand	...	...	...	1	1	4				Brought forward	2	4	9			
Strong blue clay	...	...	...	0	2	7				Blue clay	...	...	0	2	0	
Sandy clay and hard	...	...	...							Brown clay, very hard	0	1	0			
tumblers	...	...	...	0	5	6				Sandy clay, very hard	0	1	0			
Strong blue clay	...	...	...	0	0	6				Brown clay, very hard	0	3	1			
Sandy clay	...	...	...	0	0	7				Sandy clay, very hard	0	1	3			
Loose stone	...	...	...	0	0	3								4	1	1
Carried forward	2	4	9							Total	...	...		4	1	1

## No. 2,070.—TYNEMOUTH.

TOWNSHIP OF TYNEMOUTH, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

Long.

## No. 3.

Approximate surface level feet above sea (Ordnance datum).

						Fs.	Ft.	In.	Fs.	Ft.	In.
Gravel and sand	...	...	...	...	...	3	1	0			
Brown clay, loamy	...	...	...	...	...	0	1	0			
Brown clay, harder	...	...	...	...	...	0	2	0			
									3	4	0
Total	...	...	...	...	...				3	4	0

## No. 2,071.—TYNEMOUTH.

TOWNSHIP OF TYNEMOUTH, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

Long.

## No. 4.

Approximate surface level feet above sea (Ordnance datum).

						Fs.	Ft.	In.	Fs.	Ft.	In.
Sand	...	...	...	...	...	0	2	0			
Blue clay	...	...	...	...	...	0	2	0			
Sand	...	...	...	...	...	1	0	0			
Grey freestone (a loose stone)	...	...	...	...	...	0	1	6			
Sand	...	...	...	...	...	0	2	0			
Stony clay	...	...	...	...	...	1	0	6			
									3	2	0
Total	...	...	...	...	...				3	2	0

## No. 2,072.—TYNEMOUTH.

TOWNSHIP OF TYNEMOUTH, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

Long.

## No. 5.

Approximate surface level feet above sea (Ordnance datum).

						Fs.	Ft.	In.	Fs.	Ft.	In.
Sand, very quick	...	...	...	...	...	1	5	6			
Sand, rather hard, with clay	...	...	...	...	...	0	4	9			
Sand, very quick	...	...	...	...	...	0	3	9			
Clay, rather sandy	...	...	...	...	...	0	1	0			
Blue clay	...	...	...	...	...	0	3	0			
									4	0	0
Total	...	...	...	...	...				4	0	0



## No. 2,073.—TYNEMOUTH.

TOWNSHIP OF TYNEMOUTH, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat., Long.*No. 6.*

Approximate surface level      feet above sea (Ordnance datum).

						Fs.	Ft.	In.	Fs.	Ft.	In.
Sand and gravel	...	...	...	...	...	1	0	0			
Hard blue clay	...	...	...	...	...	1	5	0			
									2	5	0
Total	...	...	...	...	...				2	5	0

## No. 2,074.—TYNEMOUTH.

TOWNSHIP OF TYNEMOUTH, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat., Long.*No. 7.*

Approximate surface level      feet above sea (Ordnance datum).

						Fs.	Ft.	In.	Fs.	Ft.	In.
Sand, gravel, and hard tumblers	...	...	...	...	...	2	1	0			
Earth, rather loamy, with tumblers	...	...	...	...	...	1	0	0			
Clay and sand	...	...	...	...	...	0	1	0			
Strong clay	...	...	...	...	...	0	4	0			
									4	0	0
									4	0	0

## No. 2,075.—TYNEMOUTH.

TOWNSHIP OF TYNEMOUTH, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat., Long.*No. 8.*

Approximate surface level      feet above sea (Ordnance datum).

						Fs.	Ft.	In.	Fs.	Ft.	In.
Sand and gravel	...	...	...	...	...	1	5	0			
Hard blue clay	...	...	...	...	...	1	0	0			
									2	5	0
Total	...	...	...	...	...				2	5	0

SS

No. 2,076.—TYNEMOUTH.

TOWNSHIP OF TYNEMOUTH, NORTHUMBERLAND.

Sheet 89 of Ordnance Map.    Lat.                      , Long.

*No. 9.*

Approximate surface level            feet above sea (Ordnance datum).

							Fs.	Ft.	In.	Fs.	Ft.	In.
Sand	...	...	...	...	...	...	0	1	6			
Hard blue clay	...	...	...	...	...	...	1	0	6			
Clay	...	...	...	...	...	...	1	1	0			
Clay, with thin layers of sandy clay	...	...	...	...	...	...	1	2	0			
Clay	...	...	...	...	...	...	1	3	0			
							<hr/>			5	2	0
Total										<hr/>		
										<hr/>		
										<hr/>		

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N.B.—Names of Coal Seams and other beds are in *italic*. The same name often applies, according to locality, to more than one Seam.

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AN ACCOUNT OF THE STRATA  
OF  
NORTHUMBERLAND AND DURHAM  
AS PROVED BY  
BORINGS AND SINKINGS.

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# AN ACCOUNT OF THE STRATA

OF

## NORTHUMBERLAND AND DURHAM

AS PROVED BY

### BORINGS AND SINKINGS.

No. 2,077.—ULGHAM.

TOWNSHIP OF ULGHAM GRANGE, NORTHUMBERLAND.

Sheet 55 of Ordnance Map. Lat. 55° 13' 40", Long. 1° 36' 37".

*Account of Strata bored through near Ulgham, about 100 yards down the Linton Lane on the East side of the Newcastle and Berwick Railway. August, 1854.*

Approximate surface level 135 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	1	6				Brought forward	6	1	8	7	0	3
Brown clay ... ..	0	3	0				Grey post ... ..	1	4	0			
Sand, with water ... ..	0	1	0				Grey metal ... ..	1	5	0			
Brown clay, with stones ... ..	0	3	6				Black metal ... ..	0	0	4			
Sand, with water ... ..	0	2	0				Grey post ... ..	2	2	4			
Strong blue clay, with stones ... ..	2	3	0				Black metal ... ..	0	0	3			
Soft grey metal ... ..	0	2	9				Soft dark grey metal	0	0	5			
Black metal, mixed with stones ... ..	0	2	0				<b>COAL</b> ... ..	0	0	8			
<b>COAL</b> , bored soft ... ..	0	1	0								12	2	8
				5	1	9	Grey metal ... ..	0	4	6			
Soft grey metal ... ..	1	1	1				Strong white post, with water ... ..	1	5	4			
<b>COAL</b> ... ..	0	3	5				Soft black shale ... ..	0	0	5			
				1	4	6	<b>COAL</b> , coarse and splinty ... ..	0	1	3			
Grey metal ... ..	1	4	10								2	5	6
White post, with water ... ..	4	2	10										
Carried forward	6	1	8	7	0	3	Carried forward	22	2	5			

## No. 2,077.—ULGHAM.—CONTINUED.

Brought forward					Brought forward				
	Fs.	Ft.	In.			Fs.	Ft.	In.	
Black metal, mixed {	0	0	7		Black stone, with a	14	4	7	60
with coal ... }	0	1	1	*	little coal ...	0	1	10	5
Grey metal ...	0	4	5		Strong grey metal ...	1	0	4	2
Strong white post,					Strong white post,				
with water and					mixed with whin ...	1	0	4	
whin girdles ...	4	1	2		Black stone, mixed				
Grey metal, with post					with coal ...	0	0	7	
girdle ...	1	0	3		Light grey metal ...	1	5	3	
Black metal ...	0	0	2		Strong white post,				
					with water ...	1	4	10	
<b>COAL</b> ...	0	8			Black metal, mixed				
Black metal,					with coal ...	0	2	3	
mixed with									21 2 0
coal ...	1	2							
	0	1	10		Soft grey metal ...	0	0	4	
				6 3 6	Soft black metal ...	0	0	11	
Grey metal ...	0	1	10		Strong grey metal,				
Strong white post,					with post girdles ...	1	0	11	
mixed with whin ...	4	1	2		Black metal, mixed				
Grey metal ...	4	2	10		with coal ...	0	0	9	
White post, mixed									
with metal partings	7	0	8		<b>COAL</b> ...	0	4		
<b>COAL</b> , coarse splinty	0	0	7		Soft grey metal	0	7		
				16 1 1	<b>COAL</b> ...	0	9		
Strong grey metal ...	3	1	6						0 1 8
Black metal, mixed									1 4 7
with coal ...	0	1	3						
				3 2 9	Grey metal ...	0	0	11	
Grey metal ...	1	2	1		Black metal, mixed				
Hard white post	0	4	6		with coal ...	0	0	6	
Grey metal ...	1	3	2		Grey metal thill ...	0	1	6	
Black metal ...	0	0	6		Strong white post,				
<b>COAL</b> , good	0	1	0		with metal partings	4	3	7	
				3 5 3	Grey metal ...	0	1	8	
Grey metal ...	0	1	8		Black metal ...	0	0	5	
White post, mixed					Thill, grey metal ...	0	1	8	
with metal partings	3	5	10		Strong grey metal ...	1	5	0	
Whin ...	0	2	8		Black metal, mixed				
Grey post ...	2	1	2		with coal ...	0	0	9	
Black metal ...	0	2	10		Grey metal ...	0	0	3	
Grey post ...	0	5	4						
<b>COAL</b> ...	0	0	8		<b>COAL</b> , good	2	1		
				8 2 2	<b>COAL</b> , splinty,				
Light grey thill ...	0	2	2		with slate				
Black metal, mixed					partings ...	1	0		
with coal ...	0	0	10		<b>COAL</b> ...	0	6		
Grey metal, with post									0 3 7
girdles ...	3	4	2						8 1 10
Black metal ...	0	1	8		Dark metal ...	0	1	5	
Light grey metal					Strong grey metal				
stone ...	2	0	10		stone ...	1	3	0	
Ironstone girdle	0	0	3		White post, with a				
Grey metal ...	3	1	3		large feeder of				
Black metal ...	1	1	11		water ...	0	2	10	
White post, with me-									2 1 3
tal partings	3	3	6						
Carried forward	14	4	7	60 5 2	Total ...				94 2 10

\* Approximate sea level (Ordnance datum).



## No. 2,078.—ULGHAM.

TOWNSHIP OF ULGHAM GRANGE, NORTHUMBERLAND.

Sheet 64 of Ordnance Map. Lat. , Long.

*Account of the Boring in Crawdon (or Crowden) Hill Farm, on the low side of the North-Eastern Railway, and close to the South Boundary adjoining Old Moor Royalty. May 3rd, 1873.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	1	6			
Sand and bed of clay	0	3	0			
Blue stony clay	0	4	0			
Sand, with water	1	0	0			
Blue stony clay	1	2	6			
Dry sand, mixed with clay	2	0	0			
Brown strong clay	5	4	6			
Dark metal	0	4	0			
<b>COAL</b> ... ..	0	8				
Grey metal	1	0				
<b>COAL</b> ... ..	1	4				
			0	3	0	
				12	4	6
Grey metal	0	5	0			
Grey metal stone	2	5	6			
Grey post, with metal partings	1	0	0			
Dark metal	0	1	0			
<b>COAL</b> ... ..	0	2	2			
				5	1	8
Grey metal and metal stone	3	5	6			
<b>COAL</b> ... ..	2	0				
<b>COAL</b> , soft						
foul	0	10				
			0	2	10	
				4	2	4
Grey metal	0	4	6			
Grey post	7	2	0			
Grey metal	1	1	3			
<b>COAL</b> , foul	0	0	6			
				9	2	3
Carried forward	31	4	9			

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	31	4	9			
Grey metal and metal stone	2	2	3			
Whin	0	0	6			
Metal stone	0	5	10			
Grey post	0	3	6			
<b>COAL</b> , foul...	0	1	2			
				4	1	3
Metal and metal stone	2	4	0			
Grey post	6	3	0			
Grey metal stone	1	0	6			
Grey post	0	3	2			
<b>COAL</b> ... ..	1	4				
Metal band	0	9				
<b>COAL</b> ... ..	0	5				
Grey metal	1	1				
<b>COAL</b> , with white scares and coarse the first 6 inches	1	9				
				0	5	4
				11	4	0
Into grey metal				1	0	0
						</

No. 2,079.—ULGHAM.

TOWNSHIP OF ULGHAM GRANGE, NORTHUMBERLAND.

Sheet 55 of Ordnance Map. Lat.  $55^{\circ} 13' 39''$ , Long.  $1^{\circ} 36' 19''$ .

*Section of Strata at Ulgham or Ferney Beds Colliery.*

Approximate surface level 106 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Blue clay ... ..	4	2	0			
White metal ... ..	1	3	0			
Black metal ... ..	1	2	0			
Fire clay ... ..	0	3	0			
<b>COAL</b> ... ..	0	1	4			
	<hr/>			7	5	4
White and blue post girdles ... ..	4	3	0			
	<hr/>					
	<hr/>					
Carried forward	4	3	0	7	5	4

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	4	3	0	7	5	4
<i>Top Seam—</i>						
<b>COAL</b> ... ..	0	5				
Black metal ... ..	0	5				
<b>COAL</b> ... ..	0	3				
Black metal ... ..	0	5				
<b>COAL</b> ... ..	2	0				
	<hr/>			0	3	6
	<hr/>					
	<hr/>			5	0	6
Fire clay, with iron- stone ... ..	1	1	0			
<b>COAL—Bottom Seam</b>	0	3	5			
	<hr/>			1	4	5
Fire clay ... ..				0	5	0
	<hr/>					
Total ... ..	*	15	3	3		

\* Approximate sea level  $12\frac{3}{4}$  feet below this.

No. 2,080.—URPETH.

TOWNSHIP OF URPETH, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

*Bored at Urpeth Burn near the Leather Mill. December 13th, 1742.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and brown ramble	0	1	6				Brought forward	8	5	2	1	4	10
Grey post girdles ...	0	3	0				Grey metal stone ...	2	1	6			
Grey metal, with brown scames ...	0	4	0										
Black metal stoue ...	0	2	0				<b>COAL</b> ...	1	7				
<b>COAL</b> , with water...	0	0	4				Grey metal ...	0	2				
				1	4	10	<b>COAL</b> , with scare bands	1	0				
Black metal stone ...	0	4	0				Black slaty me- tal ...	0	7				
White post, with water	4	0	0				<b>COAL</b> ...	1	3				
Grey post, with coal <i>pipes</i> ...	1	0	0				Black slaty me- tal, scared with coal ...	0	6				
White post ...	0	4	0							0	5	1	
Whin ...	0	1	0										
White post, with water	2	0	0										
Grey metal ...	0	2	2										
Carried forward	8	5	2	1	4	10	Carried forward				13	4	7

## No. 2,080.—URPETH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				13	4	7	Brought forward	2	1	7	18	1	3
Grey metal ...	1	0	0				Strong open grey post	0	3	0			
White post, with metal partings and water ...	0	3	0				White and grey scamy post ...	1	3	0			
Black and grey metal	2	1	0				Grey metal stone, with post girdles and water ...	2	1	6			
COAL ...	1	6					Grey and black metal	0	0	8			
COAL, slaty	0	3					COAL ...						
COAL ...	2	0					Brass coal or lump ...	0	2				
Hard black slaty stone, mixed with coal ...	0	6					COAL ...	0	5				
COAL, foul...	0	5					COAL, slaty foul ...	1	2				
				0	4	8	Black metal, scared with coal ...	0	6				
						4	2	8					
Grey metal stone ...	0	1	7						1	0	1	7	3
Grey and black metal stone, with post girdles and water ...	2	0	0				Grey metal ...				0	1	2
Carried forward	2	1	7	18	1	3	Total ...				26	0	3

## No. 2,081.—URPETH.

## TOWNSHIP OF URPETH, DURHAM.

Sheet 12 of Ordnance Map. Lat. \_\_\_\_\_, Long. \_\_\_\_\_

*Bored on the Fell, 700 yards North of Urpeth Ford. October, 1744.*

Approximate surface level \_\_\_\_\_ feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and sandy clay ...	0	3	9				Brought forward	10	2	6			
Soft clay and sand, with water ...	1	5	0				COAL ...	4	3				
Sand ...	3	0	0				COAL foul ...	0	3				
Sand, with water ...	0	0	9						0	4	6	11	1
Stony clay ...	4	3	0				Grey post ...	0	0	4			
Grey metal ...	0	2	0				Grey metal, with post girdles and set away the water ...	3	5	0			
Carried forward	10	2	6				Carried forward	3	5	4	11	1	0

## No. 2,081.—URPETH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	5	4	11	1	0
Brown scamy post, with water ...	1	0	0			
A soft brown and grey parting ...	0	1	3			
Grey metal ...	2	0	0			
COAL ...	0	0	4			
				7	0	11
Grey metal ...	0	3	0			
Grey and white post	0	3	0			
Grey metal stone ...	0	4	0			
COAL ...	0	0	5			
				1	4	5
Grey metal ...	2	1	0			
Grey and brown post	2	2	0			
Grey and brown scamy post, with water ...	1	0	0			
Grey and brown scamy post ...	3	1	0			
Strong white post, mixed with whin ...	0	4	3			
COAL ...	0	1	8			
				9	3	11
Grey metal, with cat- heads ...	1	0	0			
Blue and black metal, with catheads and girdles ...	2	0	0			
A whin mixture ...	0	1	6			
White post, with whin and some small scamy partings ...	2	3	0			
Carried forward	5	4	6	29	4	3

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	5	4	6	29	4	3
Strong white post ...	1	0	0			
Grey metal, with post girdles ...	2	0	0			
Grey metal, with gir- dles or catheads ...	2	1	6			

## No. 2,082.—URPETH.

TOWNSHIP OF URPETH, DURHAM.

Sheet 87 of Ordnance Map. Lat. , Long.

Bored at Urpeth in the West Corner of Mr. Lynn's Easternmost Meadow Field.  
June 20th, 1768.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and stony clay ...	1	4	0				Brought forward	3	4	0			
Rambly metal, with a mixture of clay ...	2	0	0				Brown and blue scamy metal, with girdles and catheads ...	7	2	0			
Carried forward	3	4	0				Carried forward	11	0	0			



## No. 2,082.—URPETH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	11	0	0				Brought forward	7	1	10	33	2	0
Blue grey metal ...	1	5	6				An open gullet, with						
Grey post ...	0	3	0				water ...	0	1	10			
Blue grey metal ...	4	2	0				Strong white post ...	2	3	0			
<i>Five-Quarter Seam—</i>							<b>COAL</b> ...	0	0	4			
<b>COAL</b> ...	0	3					Strong white post ...	0	0	3			
Brown and grey							<b>COAL</b> , or <i>coal pipe</i>	0	0	3			
scamy post ...	1	8									10	1	6
<b>COAL</b> ...	1	0					Strong white post ...	0	3	0			
Grey and brown							Grey metal stone, with						
<i>coal pipe</i> post	0	11					water ...	4	0	0			
				0	3	10	Strong grey metal						
				18	2	4	stone and strong						
Grey and brown post	0	2	0				girdles ...	3	3	0			
Soft blue grey and							White post, with water	3	4	3			
brown metal ...	0	3	0				<i>Low Main Seam—</i>						
Grey scamy post, with							<b>COAL</b> ...	Ft.	In.				
water ...	0	4	6				Blue slaty	2	9				
Grey metal and metal							metal ...	0	1				
stone, with girdles							<b>COAL</b> , with						
or catheads ...	4	2	6				small scare						
Black metal ...	0	0	6				bands near						
<b>COAL—Main Coal</b>							the top ...	1	5				
<i>Seam</i> ...	0	4	6							0	4	3	
				6	5	0					12	2	6
Grey metal stone ...	0	1	6				Grey metal ...	0	1	0			
Grey metal ...	0	3	0				Grey metal stone and						
Grey thready metal							post girdle ...	1	2	0			
stone, with water...	2	0	0				Strong white post,						
Black and blue metal	0	4	6				with water ...	4	3	0			
Whin ...	0	1	0				Blue grey metal, with						
White post ...	0	1	6				girdles or lumps ...	0	5	0			
Whin ...	0	0	7				Soft black metal ...	0	0	4			
Grey metal stone ...	2	0	9				<i>Hutton Seam—</i>	Ft.	In.				
<b>COAL</b> ...	0	0	3				<b>COAL</b> , with						
				6	1	1	sulphur or						
Grey metal ...	0	0	3				water ...	4	3				
White and grey post...	0	4	0				<b>COAL</b> , with						
Grey metal stone ...	1	0	9				small scare						
<b>COAL—Maudlin</b>							bands ...	0	7				
<i>Seam</i> ...	0	0	7							0	4	10	
				1	5	7					7	4	2
Grey metal ...	0	1	0				Soft blue grey metal	0	0	7			
Grey metal stone ...	1	4	6				Grey metal stone ...	0	0	9			
Whin ...	0	0	10								0	1	4
Grey post ...	0	1	0										
Whin ...	0	0	6										
Strong white post,													
with some small													
cashy partings with													
water ...	5	0	0										
Carried forward	7	1	10	33	2	0	Total ...				63	5	6

## No. 2,083.—URPETH.

TOWNSHIP OF URPETH, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

*An Account of the Strata sunk through in the New Pit at Urpeth Colliery, about 700 yards North of the Engine Pit, near the Beck, by W. Coulson. July 1st, 1835.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	6	3	2	29	5	11
Brown sandy clay ...	1	0	0				<b>COAL</b> , foul, mixed						
Quicksand, with water	2	5	10				with metal ...	0	2	7			
Soft swelling blue clay	0	4	0								6	5	9
Strong blue clay, with							Grey metal ...	1	1	0			
sandy partings ...	5	4	2				Strong white post,						
Soft grey metal ...	0	3	0				with water (200 gal-	9	0	0			
Strong white post ...	3	1	0				lons per minute) ...						
<b>COAL</b> , rusty— <i>Five-</i>							<b>COAL</b> , foul— <i>Low</i>						
<i>Quarter Seam</i> ...	0	3	2				<i>Main Seam</i> ...	0	2	10			
				14	4	2					10	3	10
Soft grey metal, with							Grey metal, with post						
iron girdles near the							girdles and water...	4	0	0			
bottom ...	10	0	0				Strong white post,						
<b>COAL</b> — <i>Main Coal</i>							with water and met-						
<i>Seam</i> ...	0	4	8				al partings; water						
				10	4	8	fell from above ...	6	0	2			
Grey metal and metal							Grey metal ...	1	1	0			
stone, with post													
girdles ...	3	3	8				<i>Hutton Seam</i> —						
<b>COAL</b> — <i>Maudlin</i>							<b>COAL</b> , good	Ft. In					
<i>Seam</i> ...	0	1	4				4 8						
				3	5	0	<b>COAL</b> , bot-						
Grey post, with water	0	3	9				tom ...	0	8				
<b>COAL</b> ...	0	0	4							0	5	4	
				0	4	1							
Grey metal ...	0	1	6								12	0	6
White post, with water													
(150 gallons per													
minute) ...	6	1	8										
Carried forward	6	3	2	29	5	11	Total ...				59	4	0

## No. 2,084.—URPETH.

TOWNSHIP OF URPETH, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 52' 54", Long. 1° 36' 12".

*A Section of Strata from the High Main Coal to the Hutton Seam in the D Pit, Urpeth Colliery.*

Approximate surface level 243 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Strata from surface...	25	5	6								45	4	4½
<b>COAL</b> — <i>Five-Quarter Seam</i> ...		0	3	6									
				26	3	0							
Strata ...	8	3	9										
<b>COAL</b> — <i>Main Coal Seam</i> ...		0	5	1									
				9	2	10							
Dark brown thill ...	1	0	2										
Black stone ...	0	1	10										
Grey metal ...	0	3	0										
Black stone ...	0	3	5										
Dark blue metal, mixed with ironstone girdles ...	0	3	5										
Black stone ...	0	5	6										
Light blue metal, mixed with ironstone balls...	0	3	10				*						
		2	0	4									
<b>COAL</b> , with a little water ...	0	0	6										
				6	4	0							
Dark brown thill ...	0	1	4										
Brown post girdle ...	0	0	10½										
Blue metal ...	0	1	6										
Brown whin ...	0	1	5										
Grey metal ...	1	1	10										
White post ...	0	0	2										
Blue metal ...	0	0	8										
Dark brown metal ...	0	2	3										
<i>Supposed Maudlin Seam</i> —													
Black stone, slaty ...	0	6											
<b>COAL</b> ...	1	5											
Black stone, slaty ...	0	7											
				0	2	6							
				3	0	6½							
Carried forward				45	4	4½							
Brought forward													
Dark brown thill ...	0	2	0										
White post ...	1	3	10										
Blue metal ...	0	3	0										
Strong white post, with water (60 gallons per minute) ...	4	1	1										
Soft blue metal ...	0	1	0										
<i>Low Main Seam (?)</i> —													
Black stone...	0	2											
<b>COAL</b> ...	2	0											
				0	2	2							
											7	1	1
White thill ...	1	2	10										
Blue metal ...	2	0	5										
Dark brown post ...	1	2	1										
Strong blue metal, with brown post girdles ...	1	4	10										
Strong white post, mixed with coal pipes ...	4	0	4										
<b>COAL</b> ( <i>supposed Brass Thill Seam</i> ) ...	0	3	2										
											11	1	8
Black stone ...	0	2	4										
Blue metal ...	0	3	11										
White post, mixed with metal partings	5	3	7										
Post (this contains the water)...	0	2	3										
Blue metal ...	0	4	7										
<i>Hutton Seam</i> —													
<b>COAL</b> ...	4	9											
<b>COAL</b> , bottom ...	1	4											
				1	0	1							
											8	4	9
Brown thill ...	0	1	0										
Strong white post ...	1	4	4										
											1	5	4
											74	5	2½

\* Approximate sea level (Ordnance datum).

## No. 2,085.—URPETH.

TOWNSHIP OF URPETH, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

*Account of No. 1 Boring at Low Urpeth, near Chester-le-Street, in the North-West Corner of a Field, and 220 yards South and 67 yards East of Gamekeeper's Cottage. Begun March 19th and finished May 11th, 1844.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	0	5	7	19	0	0
Sandy gravel ...	0	5	0				<i>Coal pipe</i> ...	0	0	1			
Blue leafy clay, very pure near the top, with thin beds of sand near the bottom ...	10	3	0				Sandy gravel ...	0	2	2			
Sand, mixed with <i>small coal</i> ...	0	3	0				Loamy sand, mixed with beds of sandy gravel ...	1	3	11			
Blue stony clay ...	0	2	9								2	5	9
Sand, with water which rose 4 fms. up the hole immediately ...	0	0	3				Indurated sand, mixed with gravel ...	1	1	3			
Stony clay ...	0	1	0				Sand, with water ...	0	3	6			
Leafy clay, mixed with sand ...	0	1	3				Stony clay ...	0	0	10			
Sand, with water (on Friday, March 29th, the water was $7\frac{1}{2}$ fms. from surface, and on Monday, about 2 p.m., ran over top of boxes ...	0	4	9				Broken post ...	0	0	5			
Sand, much mixed with <i>small coal</i> ...	0	0	9								2	0	0
Sand ...	2	2	9				Ironstone balls (four shifts of four men each; the metal pipes rest on this stone) ...	0	0	5			
Loamy sand ...	0	4	6				Grey metal stone, with ironstone balls and water ...	0	4	6			
Stony clay ...	1	1	6				<b>COAL</b> , foul ...	0	0	10			
Leafy sand ...	0	4	6								0	5	9
				19	0	0	Grey metal stone ...	0	5	2			
Brown stony clay ...	0	0	5				<b>COAL</b> , with water...	0	0	10			
Black metal or seggar clay ...	0	0	9								1	0	0
Rambly post, tumbler stone ...	0	0	6				Grey metal stone ...	0	2	0			
Bluish loamy clay, with beds of sand...	0	3	3				White and grey post	2	5	2			
Sandy gravel ...	0	0	8				Grey metal stone ...	1	4	2			
							Black metal ...	0	0	6			
Carried forward	0	5	7	19	0	0	<i>Hutton Seam</i> —						
							<b>COAL</b> , good	4	8				
							Band ...	0	0 $\frac{1}{2}$				
							<b>COAL</b> , coarse	0	5 $\frac{1}{2}$				
										0	5	2	
							Thill ...	0	0	5			
							Grey metal ...	0	1	2			
							Grey post ...	0	1	8			
											0	3	3
							Total ...				32	1	9



## No. 2,086.—URPETH.

TOWNSHIP OF URPETH, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

*Account of a Boring in the Low Main Drift, Urpeth Colliery, from the Low Main to the Hutton Seam. May 12th, 1845.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Bastard post ...	...	1	0	0										
COAL ...	...	0	1	0										
					1	1	0	Brought forward	3	2	0	1	1	0
								Strong grey post, with						
								strong partings ...	1	1	0			
Blue metal ...	...	0	4	0				Blue metal ...	0	1	6			
Grey metal stone, with								Grey post ...	0	5	6			
water ...	...	0	5	2				Grey metal ...	1	1	0			
Grey post, with water	...	0	2	4							6	5	0	
Whin ...	...	0	1	6				COAL—Hutton Seam			0	1	0	
White post, with water	...	0	4	0										
Blue metal ...	...	0	3	0										
Carried forward	3	2	0	1	1	0		Total ...	...		8	1	0	

## No. 2,087.—URPETH.

TOWNSHIP OF URPETH, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

*Account of Strata sunk through at the Busty Bank Air Shaft at Urpeth Colliery. Finished October 28th, 1871.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	...	0	1	0				Brought forward	8	1	0		
Brown clay and sand	...	3	0	0									
Brown sandstone ...	...	4	0	0									
Blue metal ...	...	1	0	0				<b>COAL</b> ...	3	6			
								Seggar band ...	0	6			
								<b>COAL, coarse</b>	1	6			
										0	5	6	
											9	0	6
Carried forward	8	1	0					Carried forward			9	0	6

## No. 2,087.—URPETH.—CONTINUED.

Brought forward			Fs.	Ft.	In.	Fs.	Ft.	In.
			9	0	6			
Hard seggar...	...	...	0	3	0			
Blue metal ...	...	...	1	1	0			
Grey metal ...	...	...	0	2	0			
Black shale ...	...	...	0	0	6			
Seggar ...	...	...	0	2	0			
Blue metal ...	...	...	6	5	0			
<b>COAL</b> ...	...	...	0	1	8			
			9	3	2			
Seggar ...	...	...	0	2	4			
Blue metal ...	...	...	3	3	0			
Grey metal ...	...	...	0	3	6			
Strong jointy grey post ...	...	...	1	2	0			
Strong grey metal ...	...	...	1	1	0			
<b>COAL—5/4 Seam</b> ...	...	...	0	3	6			
			7	3	4			
Seggar ...	...	...	0	3	0			
Grey jointy post ...	...	...	1	5	0			
Strong grey metal ...	...	...	4	0	0			
Blue metal ...	...	...	0	3	0			
Grey post girdle ...	...	...	0	1	0			
Blue metal ...	...	...	1	4	0			
<b>COAL—Main Coal Seam</b> ...	...	...	0	5	0			
			9	3	0			
Seggar ...	...	...	0	2	0			
Strong grey metal ...	...	...	1	4	0			
Black stone ...	...	...	0	5	0			
Strong grey metal, posty ...	...	...	3	4	0			
<b>COAL</b> ...	...	...	0	0	8			
			6	3	8			
White post ...	...	...	1	1	0			
Grey post ...	...	...	0	5	6			
Strong white post girdle ...	...	...	0	3	0			
<b>COAL</b> ...	...	...	0	1	0			
			2	4	6			
Black thill stone ...	...	...	0	2	6			
Post girdle ...	...	...	0	1	4			
White post, with blue metal partings ...	...	...	2	0	0			
Strong white post ...	...	...	4	0	6			
Blue metal ...	...	...	0	2	0			
<b>COAL—Maudlin Seam</b> ...	...	...	0	2	0			
			7	2	4			
Strong posty seggar ...	...	...	0	4	0			
Strong blue metal ...	...	...	3	0	0			
Soft blue metal ...	...	...	1	4	6			
Strong white post ...	...	...	4	4	0			
			10	0	6	52	2	6
Carried forward			10	0	6	52	2	6
Brought forward			10	0	6	52	2	6
<i>Low Main Seam—</i>								
						Ft.	In.	
<b>COAL</b> ...	...	...				3	0	
Band ...	...	...				1	3	
<b>COAL</b> ...	...	...				0	10	
						0	5	1
						10	5	7
Strong posty seggar ...	...	...	0	3	0			
Strong grey metal ...	...	...	1	2	0			
Strong white post, mixed with whin ...	...	...	1	0	0			
Post girdles, with blue metal partings ...	...	...	4	3	6			
Blue metal ...	...	...	0	3	6			
<i>Hutton Seam—</i>						Ft.	In.	
<b>COAL</b> ...	...	...				4	4	
<b>COAL</b> , bottom, coarse ...	...	...				1	2	
						0	5	6
						8	5	6
Strong post thill ...	...	...	0	3	2			
Strong grey post ...	...	...	3	0	9			
Black metal ...	...	...	0	0	2			
<b>COAL</b> ...	...	...	0	1	4			
			3	5	5			
Black metal ...	...	...	0	0	2			
Blue metal, with iron boulders ...	...	...	2	5	8			
Hard grey post ...	...	...	1	2	4			
Grey metal, with post girdles ...	...	...	2	1	7			
<b>COAL</b> ...	...	...	0	0	9			
			6	4	6			
Strong post seggar ...	...	...	0	4	6			
Grey post, very hard ...	...	...	4	2	3			
Blue metal, with iron-stone girdles ...	...	...	3	4	0			
<b>COAL</b> ...	...	...	0	0	6			
			8	5	3			
Seggar thill ...	...	...	0	2	5			
Grey post ...	...	...	0	3	5			
Blue metal ...	...	...	0	3	10			
<b>COAL</b> and black stone ...	...	...	0	0	10			
			1	4	6			
Posty seggar ...	...	...	0	1	6			
Mild grey metal ...	...	...	1	1	1			
Strong white post ...	...	...	1	0	6			
Blue metal ...	...	...	0	0	9			
<b>COAL</b> ...	...	...	0	1	9			
			2	5	7			
Seggar clay thill ...	...	...	0	1	10			
Strong seggar and iron balls ...	...	...	0	2	3			
			0	4	1	96	2	10
Carried forward			0	4	1	96	2	10

## No. 2,087.—URPETH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	0	4	1	96	2	10	Brought forward	106	5	3			
Grey metal ...	2	0	4				Seggar ...	0	1	10			
Grey post and metal							Seggar, with iron						
partings ...	2	2	4				boulders ...	0	0	10			
COAL ...	0	0	3				COAL ...	0	0	5			
				5	1	0					0	3	1
Grey post, mixed with							Posty seggar ...	0	3	0			
whin ...	0	1	3				Grey ——— ...	3	1	0			
Mild post ...	1	4	2				Grey post ...	1	1	2			
COAL and black							Grey metal ...	0	1	2			
stone ...	0	1	0										
				2	0	5	Bustybank Seam—						
Strong seggar thill ...	0	3	5					Ft. In.					
Grey post ...	1	2	6				COAL ...	2	2				
Grey metal ...	0	4	0				Seggar ...	1	4				
							COAL ...	0	5				
Towneley Seam—							Shale ...	0	4				
	Ft.	In.					COAL ...	2	0				
COAL ...	1	0								1	0	3	
Band ...	0	1											6
COAL ...	1	7					Strong posty seggar ...	0	2	0			0
Band ...	0	2					Grey metal and post						
COAL ...	0	3					girdles ...	0	2	10			
				0	3	1	Grey post ...	2	2	2			
											3	1	0
Carried forward				106	5	3	Total ...				116	3	11

## No. 2,088.—USHAW MOOR.

TOWNSHIP OF BROOM, DURHAM.

Sheet 26 of Ordnance Map. Lat.

Long.

*Boring on Ushaw Moor, about 150 yards North from Mr. Hobson's Hind's.*  
*March 26th, 1755.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	3	0			
Clay, with water ...	12	0	9			
Grey and white metal ...	0	5	0			
Grey and white post... ..	0	3	0			
Grey metal, etc., with water	1	5	6			
Grey post ...	0	2	3			
Grey metal ...	2	3	9			
Black metal, with coal	0	1	0			
Grey metal ...	0	2	9			
				19	3	0
Total ...				19	3	0

## No. 2,089.—USHAW MOOR.

TOWNSHIP OF BROOM, DURHAM.

Sheet 26 of Ordnance Map. Lat.

Long.

*Account of Boring at Ushaw Moor. Commenced February 13th, 1857.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	1	0				Brought forward				10	5	7
Yellow clay ...	0	2	5				Dark metal ...	0	0	7			
Blue stony clay ...	0	5	3				Grey metal ...	0	5	9			
Yellow freestone ...	3	1	6				Post, with partings ...	1	1	6			
Dark grey metal ...	0	1	0				Dark metal ...	0	0	5½			
<b>COAL</b> ... ..	0	0	8				<b>COAL</b> ... ..	0	0	10			
				4	5	10					2	3	1½
Seggar ... ..	0	0	6				Seggar ... ..	0	0	7½			
Grey metal ...	1	1	3				Grey metal ...	1	0	5			
Grey metal, with post							Grey metal, with post						
girdles ... ..	1	5	1				girdles ... ..	1	4	7			
Dark metal ...	0	2	3				Blue metal ...	0	0	6			
Dark grey metal ...	0	5	7				<b>COAL</b> ... ..	0	2	3			
Grey metal ...	1	1	7								3	2	4½
<b>COAL</b> ... ..	0	1	6				Seggar ... ..	0	0	10½			
				5	5	9	Grey metal ...	1	3	4			
											1	4	2½
Carried forward				10	5	7	Total ... ..				18	3	3½

## No. 2,090.—USHAW MOOR.

TOWNSHIP OF BROOM, DURHAM.

Sheet 26 of Ordnance Map. Lat.

Long.

*Boring at Ushaw Moor, 200 yards North of the Four Lane Ends, on the Left-hand Side of the Lane leading to Ushaw College. March 4th, 1867.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ... ..	1	2	6				Brought forward				13	3	1
Post ... ..	5	5	0				Shale ... ..	1	5	6			
<b>COAL</b> ... ..	0	2	5				Post ... ..	0	3	0			
				7	3	11	Shale ... ..	0	0	8			
Brown shale ...	0	0	4				Post ... ..	0	2	10			
Grey shale ...	1	5	4				Black metal ...	0	0	8			
Post ... ..	1	1	1				Grey shale, with post						
Shale ... ..	0	3	0				girdles ... ..	3	0	0			
Shale stone ...	0	3	0				Post ... ..	0	5	6			
Shale ... ..	1	3	5				Black shale ...	0	0	4			
<b>COAL</b> ... ..	0	1	0										
				5	5	2	Carried forward	7	0	6	13	3	1
Carried forward				13	3	1							



## No. 2,090.—USHAW MOOR.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	7	0	6	13	3	1		Brought forward	21	0	5		
<b>COAL</b> , good	2	2						Strata to the <i>Harvey</i>					
<b>COAL</b> , foul,								Seam ...	25	0	0		
mixed with								Strata to the <i>Brock-</i>					
slate ...	0	8						well Seam... ..	45	0	0		
				0	2	10							
				7	3	4							
Carried forward				21	0	5		Total depth to <i>Brockwell</i>					
								Seam ... ..	91	0	5		

## No. 2,091.—USHAW MOOR.

TOWNSHIP OF BROOM, DURHAM.

Sheet 26 of Ordnance Map. Lat.

Long.

*Strata bored through in the Second Borehole at Ushaw Moor Colliery.*  
*December, 1870.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ... ..	12	3	0				Brought forward	26	4	7			
Sand and gravel ...	1	0	0				Metal stone ... ..	2	5	0			
Clay ... ..	2	3	0				Whin... ..	0	1	3			
Dry sand ... ..	1	4	6				Grey post ... ..	0	2	9			
Grey metal ... ..	1	5	9				<b>COAL</b> ... ..	0	1	9			
Dark metal ... ..	0	0	3								3	4	9
<b>COAL</b> ... ..	0	0	4	19	4	10	Metal stone ... ..	1	1	0			
							White post ... ..	2	0	3			
Metal stone ... ..	0	3	6				<b>COAL—Busty Seam</b>	0	3	2			
Whin... ..	0	0	6								3	4	5
Grey post ... ..	0	2	9				Grey metal ... ..	0	1	0			
Grey metal ... ..	0	4	0				Dark metal, with						
Grey post ... ..	1	2	0				scares of coal ...	0	1	6			
Whin ... ..	0	1	0				Metal stone ... ..	1	2	0			
Grey post ... ..	0	3	0				Whin... ..	0	1	0			
Grey metal ... ..	0	1	0				Metal stone ... ..	3	2	0			
<i>Harvey Seam—</i>							<b>COAL</b> ... ..	0	1	3			
<b>COAL</b> ... ..	0	10									5	2	9
Grey band ... ..	0	1					Grey post ... ..	1	0	0			
<b>COAL</b> ... ..	1	3					Metal stone ... ..	0	2	0			
Black metal ... ..	0	7					Whin... ..	0	0	9			
				0	2	9	Metal stone ... ..	1	3	0			
				4	1	9	Grey post ... ..	1	0	0			
Grey metal ... ..	0	5	0				Metal stone ... ..	0	4	0			
<b>COAL</b> ... ..	0	0	6				Grey post ... ..	4	1	0			
				0	5	6	Dark metal ... ..	0	2	0			
Grey metal stone ...	1	1	0				<b>COAL—Brockwell</b>						
Dark metal ... ..	0	3	0				Seam ... ..	0	2	10			
<b>COAL</b> ... ..	0	0	6								9	3	7
				1	4	6	Grey post ... ..				0	3	6
Carried forward				26	4	7							
							Total sunk and bored				49	5	7

## No. 2,092.—USWORTH.

TOWNSHIP OF USWORTH, DURHAM.

Sheet 7 of Ordnance Map. Lat. , Long

*Boring at Usworth Place. Begun November 27th, 1815, and ceased February 22nd, 1817.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Boring boxes measured				10	5	0	Brought forward	1	5	2	51	1	0
Soft loose sandy post	0	1	0				White post, with water	1	3	0			
White post, with metal							Strong white post,						
partings and water	2	4	0				mixed with whin ...	8	1	0			
<b>COAL</b> ... ..	0	1	0				Grey and blue metal,						
				3	0	0	with metal stone,						
Grey metal and metal							post girdles, and						
stone, with whin							water ... ..	3	2	0			
girdles or lumps and							<b>COAL</b> , soft... ..	0	1	0			
water ... ..	5	5	0								15	0	2
							Grey metal stone ...	3	2	0			
<b>COAL</b> ... ..							Blue metal ... ..	0	3	0			
Grey metal ... ..							Grey metal stone,						
<b>COAL</b> , foul,							with girdles ...	1	1	0			
with small							Blue and black metal	0	3	6			
bands and							Grey metal stone, with						
water ... ..	2	0					girdles ... ..	0	4	0			
				0	3	11	Grey scamy post ...	0	4	0			
							Grey metal stone, with						
Blue grey metal ...	0	4	0				post girdles ...	3	2	0			
<b>COAL</b> ... ..	0	1	2				Grey metal, with						
				0	5	2	girdles ... ..	1	1	0			
Grey metal stone, with							Black and blue metal,						
girdles and water...	0	2	0				with lumps ...	0	5	0			
White post, with water	1	0	0				<b>COAL</b> ... ..	0	0	3			
Grey metal and metal											12	1	9
stone, with girdles							Grey metal stone ...	0	2	0			
and water ... ..	13	1	0				Strong white post,						
Strong white post,							mixed with whin ...	0	2	6			
mixed with whin							Grey metal, with post						
and water ... ..	0	5	0				girdles ... ..	1	1	7			
Grey metal stone, with							<b>COAL</b> ... ..	0	0	4			
girdles and water...	1	5	0				Blue metal, with <i>coal</i>	0	0	5			
Strong white post ...	0	4	0								2	0	10
Grey metal stone ...	0	3	0				Grey metal ... ..	0	2	0			
Strong white post ..	1	0	0				Strong grey and white						
Grey and blue metal	2	1	0				post ... ..	2	0	0			
Strong white post ...	0	2	3				Whin, with small post						
Grey and blue metal,							partings ... ..	0	2	0			
with metal stone,							Strong white post ...	2	5	0			
post girdles, and							Blue grey metal ...	0	2	2			
water ... ..	7	1	8				<b>COAL</b> ... ..	0	0	8			
Blue metal ... ..	0	4	0								5	5	10
<b>COAL</b> , foul ... ..	0	1	0				Blue and grey metal,						
				29	5	11	with hard lumps ...	2	3	0			
Hard girdle or lump	0	0	2				<b>COAL</b> ... ..	0	0	10			
Grey post ... ..	0	3	0								2	3	10
Grey metal stone ...	1	2	0										
Carried forward	1	5	2	51	1	0	Carried forward	89	1	5			

## No. 2,092.—USWORTH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				89	1	5	Brought forward	8	5	0	91	3	0
Grey metal, with hard							<b>COAL</b> ...	0	0	7			
lumps ...	0	4	7								8	5	7
Grey post ...	0	0	9				Grey metal ...	0	2	0			
Whin ...	0	0	6				Strong metal stone,						
Strong grey post ...	0	2	0				with girdles ...	1	0	8			
Grey and blue metal,							<b>COAL</b> ...	0	0	9			
mixed with hard											1	3	5
lumps or girdles ...	0	5	0				Soft blue grey metal,						
<b>COAL</b> ...	0	0	9				mixed with <i>coal</i> ...	0	1	8			
				2	1	7	Grey metal, with whin						
Grey metal stone and							girdles or lumps ...	4	4	4			
strong metal stone,							Strong white post ...	0	3	0			
with hard girdles or							Whin ...	0	2	0			
lumps ...	3	0	0				White post ...	5	4	0			
Strong white post ...	0	1	6				Black metal, mixed						
Whin ...	0	0	8				with <i>coal</i> ...	0	0	9			
Strong white post ...	0	1	0								11	3	9
Blue metal stone ...	0	2	0				Grey metal stone, with						
White post ...	0	1	0				post girdles ...	0	3	6			
Strong whin ...	0	0	7				Strong white post,						
Strong white and grey							mixed with whin ...	0	2	9			
post, with black							Grey metal stone, with						
scars ...	1	2	0				post girdles ...	0	2	0			
Black metal ...	0	0	6				Black metal stone,						
White and grey metal,							with post girdles ...	2	4	6			
with metal stone							Grey and blue metal						
and hard lumps ...	2	0	9				stone ...	1	0	0			
Strong white post,							Strong white post ...	0	3	0			
with hard lumps at											5	3	9
bottom ...	1	1	0										
Carried forward	8	5	0	91	3	0	Total ...				119	1	6

## No. 2,093.—USWORTH.

TQWNSHIP OF USWORTH, DURHAM.

Sheet 7 of Ordnance Map. Lat. \_\_\_\_\_, Long. \_\_\_\_\_

*Bored in the Second Hole in Mrs. Shaw's Grounds at Usworth Place.*

Approximate surface level \_\_\_\_\_ feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
From surface to stone							Brought forward	8	0	0			
head ...	3	3	0				Strong white post ...	4	2	6			
White post ...	1	0	0				Soft blue stone ...	0	0	10			
Blue metal stone ...	3	3	0				White post ...	0	3	4			
Carried forward	8	0	0				Carried forward	13	0	8			

## No. 2,093.—USWORTH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	13	0	8				Brought forward	7	2	9	71	0	3
Blue stone ...	0	0	11				Blue and grey metal...	0	5	0			
White post ...	0	4	3				Strong white post ...	0	1	0			
Blue stone ...	0	1	5				Strong white post,						
<b>COAL</b> ...	0	0	3				with whin ...	0	1	0			
				14	1	6	Strong white post ...	1	2	0			
Blue metal stone ...	4	2	0				Blue grey metal ...	0	5	0			
Black stone ...	0	1	0				<b>COAL</b> ...	0	0	6			
<b>COAL</b> ...	0	0	6								10	5	3
				4	3	6	Soft blue metal ...	0	0	6			
White metal and thilly							Strong grey metal						
stone ...	0	2	0				stone ...	0	4	0			
White post ...	16	5	0				Strong white post ...	0	5	0			
Blue metal ...	0	4	6				Blue grey metal stone	0	3	0			
Blue metal, with scars							Black metal stone ...	2	1	0			
of coal ...	0	2	0				Grey metal stone, with						
Grey metal ...	1	1	6				post girdles and						
Thready grey post							water ...	1	3	0			
and water ...	2	3	0				Black grey metal ...	2	0	0			
Whin ...	0	1	0				<b>COAL</b> ...	0	1	0			
Strong white post ...	1	0	8								7	5	6
Blue and grey metal							Grey metal stone ...	2	0	0			
stone, with post							Blue and black metal	0	3	0			
girdles and water...	7	5	0				Strong grey metal,						
Black and blue metal	0	3	0				with hard lumps						
Grey metal and post							and water ...	2	0	0			
girdles, with water	1	4	4				<b>COAL</b> ...	0	0	6			
White post, with water	0	4	0								4	3	6
Grey and blue metal,							Black grey metal, with						
with post girdles							coal scars and						
and water ...	2	1	8				partings ...	0	3	0			
Black and grey metal	0	1	0				Grey metal and post						
White post and water	1	0	6				girdles ...	4	3	0			
Grey and blue metal	0	1	6				Strong white and grey						
<b>COAL</b> ...	0	1	0				post ...	0	5	0			
				37	5	8	Whin ...	0	2	0			
Grey metal ...	1	1	0				Grey scamy post, with						
<b>COAL</b> ...	0	0	10				water ...	0	1	0			
				1	1	10	Strong white post ...	0	4	6			
Blue grey metal stone							Grey metal stone, with						
and post girdles ...	11	0	0				post girdle ...	0	4	0			
Whin, with strong							Strong white post ...	1	5	0			
white post ...	0	1	0				Strong blue grey metal						
Strong white post ...	1	1	6				and lumps ...	3	5	7			
Grey metal ...	0	2	0				Strong white post ...	0	3	0			
							Whin ...	0	0	9			
<b>COAL</b> ...	0	6					Strong white post ...	1	3	0			
Blue metal ...	0	1					Strong black grey						
<b>COAL</b> , -foul,							metal and post gir-						
slaty ...	0	8					dles ...	0	3	0			
				0	1	3	Grey and white post,						
				12	5	9	with partings ...	0	3	3			
Grey metal ...	2	4	0				Black grey metal						
Strong white post ...	0	3	0				stone and post						
Strong grey and blue							girdles ...	1	3	0			
metal stone ...	3	5	9								18	1	1
Strong white post ...	0	2	0										
Carried forward	7	2	9	71	0	3	Total ...				112	3	7



## No. 2,094.—USWORTH.

TOWNSHIP OF USWORTH, DURHAM.

Sheet 7 of Ordnance Map. Lat. 54° 55' 7", Long. 1° 30' 30".

*Section of Strata sunk through at Usworth Colliery. Begun April 7th, 1845;  
finished July 22nd, 1847.*

Approximate surface level 170 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Soil and sand ...	3	2	0				Brought forward	1	2	0	65	4	8	
Strong blue clay ...	2	5	0											
Loose freestone ...	2	1	0				<b>COAL</b> ...	Ft. In.						
Blue metal ...	2	1	0				Grey metal ...	3	0					
<b>COAL</b> ...	0	3	0				<b>COAL</b> ...	1	0					
				11	0	0	<b>COAL, slaty</b> ...	1	2					
Blue and grey metal	6	0	0						1	0	2			
White post, with {	11	2	0			*	Thill ...		0	2	0	10	2	2
water ...	0	1	0				Strong grey metal,							
Blue metal ...	3	3	0				mixed with post							
<b>COAL</b> ...	0	1	0				and whin girdles ...	8	2	8				
				21	1	0	<b>COAL</b> ...	0	0	4	8	5	0	
Grey metal ...	0	5	0											
Soft filtering post ...	13	3	0				Post ...	1	2	0				
Loose metal ...	1	1	0				Soft black metal ...	2	5	0				
<b>COAL</b> ...	0	1	0				<b>COAL</b> ...	0	0	8	4	1	8	
				15	4	0								
Post ...	0	3	0				Thill ...	0	4	0				
Grey metal ...	2	0	3				Grey metal ...	1	2	0				
<b>COAL</b> ...	0	0	3				Strong post ...	5	4	0				
				2	3	6	Blue metal ...	0	1	0				
Blue and grey metal,														
with iron girdles ...	8	2	0				<b>COAL</b> ...	Ft. In.						
Grey metal ...	1	0	0				<b>COAL, slaty</b> ...	1	4					
<b>COAL</b> ...	0	0	4						0	2	11	8	1	11
				9	2	4	Black thill ...		0	4	0			
Thill ...	1	0	0				White thill ...		0	3	0			
Post ...	0	4	0				Strong grey metal ...		1	4	6			
<b>COAL</b> ...	0	1	2				Grey metal ...		5	3	0			
				1	5	2	Grey metal and post ...		6	5	0			
Thill ...	0	2	2				Post ...		12	0	0			
Post ...	1	0	0				Grey metal ...		5	0	0			
Blue metal ...	1	3	6				<b>COAL</b> ...		0	2	0	32	3	6
<b>COAL</b> ...	0	1	8											
				3	1	4	Thill ...		4	0	0			
Grey metal ...	0	4	6				Post, with blue stone							
<b>COAL</b> ...	0	0	10				partings ...		3	0	0			
				0	5	4	Main Coal Seam—							
Grey metal, mixed								Ft. In.						
with post ...	8	5	0				<b>COAL</b> ...	0	10					
White post ...	0	3	0				Band ...	1	4					
							<b>COAL</b> ...	2	10					
									0	5	0	7	5	0
Carried forward	1	2	0	65	4	8	Carried forward				137	5	11	

\* Approximate sea level (Ordnance datum).

## No. 2,094.—USWORTH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.			
Brought forward				137	5	11	Brought forward	4	3	0	156	3	0			
Grey metal, with thin whin girdles ...	2	0	0				Blue stone ...	0	3	0						
Thill ...	2	0	0				Low Main Seam—									
Post ...	4	4	6				Ft. In.									
Grey metal, with thin whin girdles ...							COAL ...	1	8							
COAL ...	Ft. In.						Splint ...	0	5							
Splint...	2	10					COAL ...	1	6							
COAL ...	0	3					COAL, coarse	0	5							
Stone ...	1	11								0	4	0				
COAL ...	0	2										5	4	0		
	0	10														
			1	0	0											
					9	4	6									
Thill ...	2	2	0				Post, with metal part- ings ...	4	3	0						
Post girdle ...	0	2	0				Black metal, with partings ...	1	3	0						
Grey metal ...	1	1	8				Strong brown whin ...	0	5	0						
COAL ...	0	1	4				Blue and black metal, with post and whin girdle ...	1	3	0						
				4	1	0										
Thill ...	0	2	0				Hutton Seam—	Ft. In.								
Post girdles ...	1	4	4				Splint ...	0	4							
COAL, slaty ...	0	0	8				COAL ...	2	0							
				2	1	0	COAL, coarse, or swad ...	0	4							
Grey metal ...	1	3	0				COAL, slaty on bottom	0	5							
Post girdles ...	0	2	0							0	3	1				
Blue metal ...	0	2	0										8	5	1	
COAL ...	0	1	7										1	0	0	
				2	2	7										
Thill ...	0	1	0				Thill ...									
Grey metal ...	2	4	0													
Post ...	1	4	0													
Carried forward	4	3	0	156	3	0	Total ...				172	0	1			

## No. 2,095.—USWORTH.

TOWNSHIP OF USWORTH, DURHAM.

Sheet 7 of Ordnance Map. Lat. , Long.

Approximate surface level feet above sea (Ordnance datum).

Section of Strata between Low Main and Hutton Seams, also between Hutton Seam and bottom of Sump, at Usworth Colliery.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Thill of the <i>Low Main</i> <i>Seam</i> .							Brought forward	1	0	0			
Post ...	0	4	0				Post ...	2	0	0			
Blue metal ...	0	2	0				Blue metal ...	0	3	0			
							COAL ...	0	0	2			
Carried forward	1	0	0				Carried forward	3	3	2			

## No. 2,095.—USWORTH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	3	2				Brought forward				10	1	2
Black stone ...	0	2	0				Thill stone ...	0	5	0			
Post ...	0	4	6				Blue (iron nodules) ...	2	2	0			
Whin ...	0	1	0				<b>COAL</b> ...	0	0	3			
Black stone ...	0	2	6								3	1	3
Grey metal ...	1	0	0				Thill stone ...	0	1	0			
Post ...	0	2	0				<b>COAL</b> ...	0	0	6			
Metal ...	0	2	0								0	1	6
Post ...	0	5	0				Thill	0	1	3			
Whin ...	0	3	0				<b>COAL</b> ..	0	0	3			
Grey metal ...	0	5	0								0	1	6
Black stone ...	0	4	0				Thill	0	1	9			
<i>Hutton Seam</i> —							Bastard post...	2	1	0			
Splint ...	0	5									2	2	9
<b>COAL</b> ...	2	7											
		0	3	0									
				10	1	2							
Carried forward				10	1	2	Total ...				16	2	2

## No. 2,096.—WALBOTTLE.

TOWNSHIP OF WALBOTTLE, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat. , Long.

*Account of Strata bored through in Mr. Robson's Close, Walbottle Royalty, South from Wagonway, being the First Hole in Walbottle. April 10th, 1767.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and sandy clay...	1	3	0				Brought forward	8	3	0	5	1	0
Blue and black rubbly clay ...	1	0	0				<b>COAL</b> , coarse	1	4				
<b>COAL</b> , foul, with a mixture of metal ...	0	3	0				Blue slate ...	0	3				
				3	0	0	<b>COAL</b> , coarse	0	3				
Grey scamy stone, with girdles ...	2	0	6				Blue greasy metal ...	0	4				
<b>COAL</b> ...	0	0	6				<b>COAL</b> , coarse	0	4				
				2	1	0				0	2	6	
Grey metal, with scamy metal, strong girdles and water ...	1	5	0				Grey metal ...	1	0	0			
Grey and white post, with brown scamy partings ...	6	4	0				Blue and grey metal, scared with coal at top ...	0	5	6			
							<b>COAL</b> , soft foul ...	0	0	9			
											2	0	3
							Soft grey metal ...	0	0	4			
							Soft black metal, with scares of coal ...	0	1	7			
Carried forward	8	3	0	5	1	0	Carried forward	0	1	11	16	0	9

## No. 2,096.—WALBOTTLE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	0	1	11	16	0	9	Brought forward	2	0	6	33	0	0
Grey metal, with girdles and water ...	3	1	0				Grey metal ...	0	0	6			
Grey metal, with post girdles ...	3	2	0				<b>COAL</b> ...	0	1	9			
White post ...	0	3	0								2	2	9
Whin ...	0	1	3				Grey metal stone ...	2	4	9			
White post ...	0	2	6				Whin mixture ...	0	1	0			
Whin ...	0	3	6				Grey post ...	0	1	0			
White post, with blue metal partings and water ...	1	2	0				Grey metal stone, with girdles or catheads	2	4	0			
Grey metal stone, with post girdles ...	1	2	0				Black stone ...	0	4	6			
White post ...	0	5	0				Grey metal stone, with girdles and catheads, together with water in some places ...	5	3	0			
<b>COAL</b> , with small danty scames ...	0	0	7	12	0	9	Black grey metal ...	0	0	6			
Blue metal ...	0	1	0				Grey metal stone ...	0	2	0			
Grey metal stone ...	1	2	0				Whin ...	0	0	11			
<b>COAL</b> , mixed with metal ...	0	0	4	1	3	4	Black grey metal ...	0	0	7			
Grey metal ...	0	1	0				Grey metal stone ...	0	4	6			
Grey metal stone ...	0	3	6				Grey and white post, with water ...	1	2	6			
Whin girdle or lump	0	0	9				Strong white post, intermixed with whin	3	4	4			
Grey post ...	2	1	6				Grey post, with girdles and partings...	0	3	0			
<b>COAL</b> ...	0	0	5	3	1	2							
Grey metal and metal stone, with partings	0	3	4				<b>COAL</b> , slaty	0	4				
Whin girdles ...	0	0	8				Black metal, with coal ...	0	2				
Strong grey metal and post girdles ...	1	2	6				<b>COAL</b> , splinty near the top	3	8				
Carried forward	2	0	6	33	0	0				0	4	2	
							Soft blue slaty metal						
							Total ...				55	3	0

## No. 2,097.—WALBOTTLE.

TOWNSHIP OF WALBOTTLE, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat. , Long.

*Account of Strata bored through in the Second Hole, near Walbottle, about 60 yards South-west from Five-mile Stone, Carlisle Road. September 16th, 1767.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay...	1	0	0				Brought forward	5	3	0			
Brown and grey ram-bly post ...	0	3	0				Blue and grey metal post, with partings	0	4	6			
Brown and grey ram-bly post, with partings ...	4	0	0				Black metal, mixed with coal ...	0	0	9			
Carried forward	5	3	0				Carried forward	6	2	3			



## No. 2,097.—WALBOTTLE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	6	2	3				Brought forward	11	1	10	16	2	2
<b>COAL</b> ...	1	7					Whin ...	0	1	0			
Soft blue metal,							Grey post girdles and						
with scares							metal partings ...	1	1	4			
of coal ...	0	6					<b>COAL</b> ...	0	0	5			
<b>COAL</b> , slaty	1	0					Grey metal and metal						
				0	3	1	stone ...	0	3	9			
							<b>COAL</b> ...	0	0	4			
											13	2	8
Grey metal ...	0	0	9				Grey metal stone, with						
Grey metal stone, with							girdles ...	3	0	0			
post girdles ...	2	4	0				Grey post ...	0	1	6			
<b>COAL</b> ...	0	1	0				Whin mixture ...	0	2	0			
				2	5	9	Strong grey post, with						
Grey metal stone ...	2	3	0				water ...	2	5	0			
White and grey post,							Black grey metal ...	0	1	0			
with water ...	3	2	6				Grey metal ...	0	1	0			
<b>COAL</b> , bad,							Whin mixture ...	0	3	3			
splinty at bot-							Strong white post ...	0	3	0			
tom ...	0	6					<b>COAL</b> ...	0	1	7			
Dark grey metal	0	2									8	0	4
<b>COAL</b> , splinty							Grey scamy post ...	0	3	0			
at top ...	0	9					Grey metal, with gir-						
Dark grey metal	0	7					dles and hard lumps	5	3	0			
<b>COAL</b> ...	1	3					Black and blue metal	1	0	0			
Blue metal ...	0	1					Grey metal stone, with						
<b>COAL</b> , mild,							water ...	0	1	0			
with water ...	0	3					Strong white post,						
				0	3	7	with whin girdles...	2	2	0			
							Blue metal ...	0	2	0			
Grey metal ...	0	2	0				<b>COAL</b> ...	0	0	2			
Blue and black metal,											9	5	2
with coal ...	1	1	6				Blue metal ...	0	2	0			
Grey metal ...	2	0	0				Grey metal stone ...	6	0	0			
Grey post and grey							White post ...	0	4	0			
scamy metal post...	3	3	0				Blue metal ...	0	0	4			
Blue grey metal ...	1	3	0				<b>COAL</b> , with white						
While post, with metal							sparkles near the top	0	4	0			
partings and water	1	3	0								7	4	4
Grey metal and girdles	1	0	4				In grey metal ...				0	1	2
White post ...	0	1	0										
Carried forward	11	1	10	16	2	2	Total ...				55	3	10

## No. 2,098.—WALBOTTLE.

TOWNSHIP OF WALBOTTLE, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat. , Long.

*Account of Strata bored through in the Third Hole, near the top of Mill Dam Corner,  
near the Gin Horse Stables, Walbottle Colliery. January 19th, 1768.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and gravelly clay	1	1	6				Brought forward	1	1	6			
							White and grey post,						
							with partings and						
							water ...	1	0	0			
Carried forward	1	1	6				Carried forward	2	1	6			

## No. 2,098.—WALBOTTLE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	1	6				Brought forward	2	5	0	27	3	0
Grey metal ...	0	2	0				Grey scamy stone ...	0	0	9			
Grey metal stone and post girdles ...	1	0	6				<b>COAL</b> ...	0	1	4			
White post, with ramblly partings and water ...	3	1	8								3	1	1
Strong white post ...	0	4	0				Grey metal and metal stone ...	1	3	0			
Grey ramblly stone ...	0	1	0				White and grey post, with partings and water ...	0	2	6			
							Strong white post, with partings and water ...	4	1	6			
<b>COAL</b> ...							Whin mixture ...	0	3	0			
<b>COAL</b> , foul, mixed with metal ...	0	3					Strong white post and water, with a mixture of whin in various places ...	5	2	0			
<b>COAL</b> ...	0	7					<b>COAL</b> ...	0	0	6			
				0	1	4					12	0	6
				8	0	0	Grey metal ...	0	0	9			
Blue grey metal ..	1	0	0				Grey metal stone, with post girdles...	0	5	6			
Black metal, mixed with coal ...	0	0	9				Whin mixture ...	0	2	0			
Grey metal ...	0	4	6				Blue and grey metal	0	5	3			
Grey metal stone ...	0	4	0				Blue metal stone and post girdles ...	1	5	3			
Whin girdle ...	0	1	0										
Grey metal, with girdles ...	1	1	0				<b>COAL</b> ...						
Jet, mixed with coal	0	0	4				<b>COAL</b> , foul and brassy at bottom ...	0	7				
Grey metal ...	1	0	6								0	3	4
Strong white post ...	0	3	0										
Grey metal and metal stone, with partings	2	3	0								4	4	1
Blue grey metal ...	0	5	6				Blue grey metal ...	0	5	6			
Grey metal stone, with strong post girdles	5	5	6				<b>COAL</b> , foul at bottom ...	0	0	8			
Grey metal and metal stone, with water...	0	3	6								1	0	2
Whin girdle ...	0	0	6										
Blue metal, with water	1	0	0				Blue metal ...	1	0	9			
White post, with water ...	1	1	6				Grey post ...	0	2	9			
Strong white post, with whin...	0	1	6				Blue metal ...	0	1	3			
White and grey post, with water ...	0	5	3				<b>COAL</b> , rather coarse at bottom ...	0	3	5			
<b>COAL</b> , with a brassy girdle or lump in middle ...	0	3	8								2	2	2
				19	3	0	In grey metal ...				0	1	0
Grey metal ...	0	1	0										
Grey metal stone and post girdle ...	0	4	0										
Grey and white post, with whin girdle and water ...	2	0	0										
Carried forward	2	5	0	27	3	0	Total ...				51	0	0

## No. 2,099.—WALBOTTLE.

TOWNSHIP OF WALBOTTLE, NORTHUMBERLAND.

Sheet of Ordnance Map. Lat. , Long.

*Fourth Place at Walbottle Colliery.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and sand ...	0	4	6				Brought forward	8	2	6			
Grey ramby stone ...	0	3	0				Grey metal stone and						
Sandy channel ...	0	0	6				post girdles ...	1	4	5			
Grey metal stone ...	4	0	0					Ft.	In.				
Strong grey post ...	0	4	6				COAL ...	1	4				
Whin ...	0	1	6				Brass lump or						
Grey post ...	0	1	6				band ...	0	1				
Grey metal stone, with							COAL ...	2	2				
post girdles ...	1	2	0							0	3	7	
Whin mixture ...	0	1	0				In grey metal ...				10	4	6
Black stone ...	0	2	0								0	1	6
Carried forward	8	2	6				Total ...				11	0	0

## No. 2,100.—WALBOTTLE.

TOWNSHIP OF WALBOTTLE, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat. , Long.

*Strata sunk through in the Union Pit, from the Engine Seam to the Splint Seam, Walbottle Colliery. 1810.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Thill ...	0	2	10				Brought forward				6	3	9
Strong white post ...	0	5	2				Thill ...	0	3	0			
COAL—Hodge Seam							Strong white post ...	0	3	6			
or Cannel Coal ...	0	1	8				Whin ...	0	1	6			
				1	3	8	Strong grey and white						
Thill ...	0	5	0				post ...	0	4	4			
White and grey post	2	0	6				COAL ...	0	0	5			
Strong white post ...	0	2	10				Thill ...	0	3	2			
Whin ...	0	2	6				Blue stone ...	1	0	8			
Strong white post ...	0	5	7				COAL—3/4 Seam ...	0	2	2			
Blue stone ...	0	0	2								4	0	9
COAL ...	0	1	6				Strong grey post ...	0	5	0			
				5	0	1	COAL ...	0	0	5			
Carried forward	6	3	9				Carried forward	0	5	5	10	4	6

## No. 2,100.—WALBOTTLE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	0	5	5	10	4	6	Brought forward				19	3	11
Strong thill ...	0	4	4				Blue stone ...	0	0	3			
Blue stone, mixed with							<b>COAL</b> ...	0	0	6			
whin ...	3	5	6				Thill ...	0	3	2			
Blue stone ...	0	2	0				Strong grey post (lost						
<b>COAL</b> — <i>Main Coal</i>							the water)...	1	0	4			
<i>Seam</i> ...	0	3	5				Blue stone (found the						
				6	2	8	water) ...	2	2	6			
Thill ...	0	2	6				Grey post ...	1	0	6			
<b>COAL</b> ...	0	0	3				Blue stone, with whin	1	4	3			
				0	2	9	Grey post, with whin	0	2	6			
Thill ...	0	3	2				Strong grey post ...	1	0	4			
Black jointy stone,							Whin ...	0	2	5			
mixed with <i>coal</i> ...	0	3	6				Grey post ...	0	2	8			
Whin ...	0	1	2				Blue stone, mixed with						
Strong grey post ...	0	0	6				post ...	0	3	6			
Blue stone ...	0	2	2				<b>COAL</b> , splinty ...	0	3	8			
<b>COAL</b> ...	0	1	6								10	2	7
				2	0	0							
Carried forward				19	3	11	Total ...				30	0	6

## No. 2,101.—WALBOTTLE.

TOWNSHIP OF WALBOTTLE, NORTHUMBERLAND.

Sheet of Ordnance Map. Lat. , Long.

*Account of Strata sunk through in the Wellington Pit, Newburn Winning, Walbottle Colliery.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and broken free-							Brought forward	3	0	10	8	0	5
stone ...	0	3	6				Strong white post ...	1	1	0			
Broken freestone ...	2	0	2				Strong white post,						
Strong freestone, with							with spars...	1	2	8			
strong scars of post	2	1	10				Whin ...	0	1	2			
<b>COAL</b> ...	0	0	5				White post girdle ...	0	2	0			
				4	5	11	Strong grey post,						
Thill ...	0	3	2				mixed with whin ...	0	2	2			
Strong dun freestone,							Strong white post,						
with water ...	0	2	10				mixed with scars						
Grey and white post,							of <i>coal</i> ...	0	5	4			
with partings ...	1	5	8				<i>Grove Seam</i> — Ft. In.						
<b>COAL</b> ...	0	0	10				<b>COAL</b> ...	2	0				
				3	0	6	Blue stone ...	1	2				
Thill ...	0	3	4				<b>COAL</b> , mixed						
Grey shivery post, with							with stone ...	0	11				
partings ...	1	2	0								8	1	3
Strong grey post gir-							Thill ...	0	3	0			
dles, with partings	1	1	6										
Carried forward	3	0	10	8	0	5	Carried forward	0	3	0	16	1	8



## No. 2,101.—WALBOTTLE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	0	3	0	16	1	8	Brought forward	10	2	2	53	2	0
Blue stone, with whin	1	3	2				<b>COAL</b> ...	0	0	4	10	2	6
Blue stone, with post girdles ...	3	0	6				Thill ...	0	5	9			
Strong white post girdles ...	1	4	4				<b>COAL</b> ...	0	0	2	0	5	11
Whin ...	0	2	0				Strong grey post ...	1	1	8			
Grey shivery post ...	0	1	10				Blue stone, mixed with post girdles and water ...	1	2	2			
White post girdles ...	1	0	6				<b>COAL—3/4 Seam</b> ...	0	1	11	2	5	9
Strong grey post, mixed with whin ...	0	5	8				Strong grey thill ...	0	4	8			
Strong grey post, with partings ...	1	1	6				<b>COAL</b> ...	0	0	5	0	5	1
Whin ...	0	0	10				Thill ...	0	2	0			
Blue stone ...	5	4	0				Grey post ...	0	3	6			
Green post ...	0	5	4				<b>COAL</b> ...	0	0	7	1	0	1
<b>COAL</b> ...	Ft.	In.					Thill ...	0	1	0			
Blue stone ...	2	9					Strong grey post ...	2	3	0			
<b>COAL</b> ...	1	0					Grey post, with leaves of blue stone and water ...	1	2	6			
			0	4	4	18	<b>COAL—Main Coal</b> ...	0	3	1	4	3	7
Strong grey thill ...	1	2	2				Thill ...	0	2	0			
Blue stone ...	1	0	0				<b>COAL</b> ...	0	0	3	0	2	3
Strong grey post ...	1	0	6				Strong grey post ...	0	2	6			
Whin ...	0	2	0				Whin ...	0	1	0			
Blue stone ...	3	0	0				Black stone ...	0	3	3			
Blue stone, with iron-stone ...	0	3	0				Blue stone ...	0	3	6			
Blue stone ...	0	3	0				Strong grey post ...	0	3	1			
Thill ...	0	2	6				Blue stone, with post girdles ...	0	3	0			
Grey post ...	0	3	4				<b>COAL</b> ...	0	1	6	2	5	10
Strong grey post, mixed with whin ...	1	0	2				Blue stone ...	0	0	4			
Whin ...	0	2	6				<b>COAL</b> ...	0	0	6	0	0	10
Grey post ...	1	3	6				Thill ...	0	3	8			
<b>COAL</b> ...	0	0	7	11	5	3	Strong grey post, mixed with whin ...	0	3	0			
Thill ...	0	2	0				Blue stone ...	2	0	6			
Blue stone ...	0	5	0				Strong black stone girdle ...	0	0	10			
<b>COAL</b> ...	0	0	5	1	1	5	Thill ...	0	2	8			
Blue stone ...	0	3	2				Strong grey metal stone ...	1	0	2			
Whin ...	0	2	0				Strong grey stone ...	1	0	4			
Blue stone, with scares of post ...	1	3	8				Whin ...	0	1	6			
<b>COAL—Engine Seam</b> ...	0	3	10	3	0	8	Strong grey post, with partings ...	1	0	6			
Strong grey thill ...	0	1	4				Blue stone, with thin post girdles ...	0	4	0			
Strong white post ...	2	1	0				<b>COAL—Splint Seam</b> ...	0	4	0	8	3	2
<b>COAL—Hodge Seam</b> ...	0	1	8	2	4	0	Sump ...				1	3	0
Thill ...	0	3	2				Total ...				87	4	0
Blue stone ...	0	3	6										
Coarse open grained post, with partings	1	2	6										
Coarse open grained post, without partings	7	5	0										
Carried forward	10	2	2	53	2	0							

## No. 2,102.—WALBOTTLE.

TOWNSHIP OF WALBOTTLE, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat. , Long.*Account of Strata bored through, about 150 yards North-west of the Red Cow Public House, Walbottle Colliery. April 15th, 1818.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay... ..	1	0	4				Brought forward	8	2	8	5	3	7
Mild blue stone ... ..	0	5	7				Strong white post ...	1	1	2			
Grey mixture stone ...	0	4	10				Whin ... ..	0	1	2			
White and grey post, with partings ... ..	1	2	9				White post, with part- ings ... ..	5	0	0			
Blue stone, mixed with pieces of post	1	1	6				Blue stone ... ..	0	0	4			
<b>COAL</b> ... ..	0	0	7				Strong white post ...	1	1	4			
				5	3	7	Mild grey post, with cashy partings ...	0	4	8			
Thill ... ..	0	1	4				Strong white post ...	2	4	8			
White post, with part- ings ... ..	0	6	9				Strong white post, with partings ...	1	0	2			
Whin ... ..	0	1	0				Strong white post, mixed with whin ...	0	3	10			
Grey mixture post ...	2	3	0				Grey post, with part- ings ... ..	1	4	4			
Cashy partings ... ..	0	0	7				Strong grey post, mixed with whin ...	1	5	0			
Grey post ... ..	1	1	4								24	5	4
Strong white post ...	0	5	2										
Whin ... ..	0	3	8										
Strong white post ...	1	3	4										
Whin ... ..	0	0	6										
Carried forward	8	2	8	5	3	7	Total ... ..				30	2	11

## No. 2,103.—WALBOTTLE.

TOWNSHIP OF WALBOTTLE, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. , Long.*Account of Strata bored through on Butterlaw Farm, Walbottle Colliery. 1828.  
First Hole.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Blue clay ... ..	7	4	4			
Thill ... ..	0	0	8			
<b>COAL</b> ... ..	0	5	2			
				8	4	2
Total ... ..				8	4	2



## No. 2,106.—WALBOTTLE.

TOWNSHIP OF WALBOTTLE, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. Long.

*Fourth Hole. In First Pasture Field East of the House, Butterlaw.*

Approximate surface level feet above sea (Ordnance datum).

						Fs.	Ft.	In.	Fs.	Ft.	In.
Blue clay	...	...	...	...	...	9	4	0			
<b>COAL</b>	...	...	...	...	...	0	1	2			
Thill	...	...	...	...	...	0	0	7			
									9	5	9
									9	5	9

## No. 2,107.—WALBOTTLE.

TOWNSHIP OF WALBOTTLE, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat. 55° 0' 3", Long. 1° 43' 19".

*Sunk in the Coronation Pit, Walbottle Colliery.*

Approximate surface level 333 feet above sea (Ordnance datum).

		Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay	...	0	4	6				Brought forward	3	0	2	2	5	10
Brown freestone	...	0	4	0				Blue stone	...	...	1	2	1	
Brown post	...	0	4	6				<b>COAL</b>	...	...	0	0	3	
Blue stone	...	0	4	0										
Black stone	...	0	0	5								4	2	6
<b>COAL</b>	...	0	0	5				Grey post	...	...	1	2	6	
							2 5 10	Blue stone	...	...	1	0	0	
White post, with part-ings	...	2	3	0				Dark grey post	...	...	6	4	0	
Black stone	...	0	1	0				Grey post, with part-ings	...	...	0	2	10	
Thill	...	0	0	8				Whin	...	...	1	1	6	
Whin	...	0	1	6				Grey post, with part-ings	...	...	0	3	10	
Carried forward		3	0	2	2	5	10	Carried forward	11	2	8	7	2	4



## No. 2,107.—WALBOTTLE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	11	2	8	7	2	4	Brought forward	2	5	11	50	5	4
Brown post ...	1	5	6				White post ...	0	5	3			
Grey shivery post ...	0	1	6				<b>COAL</b> ...	0	0	3			
Grey metal, mixed											3	5	5
with coal...	1	2	6				Thill ...	0	3	0			
White post, with water	6	3	6				Strong grey metal,						
Grey metal ...	1	3	0				with scarcs of post	2	1	3			
Post, with water ...	0	4	0				Whin ...	0	0	9			
Blue stone, with post							Grey post, with whin						
girdles ...	2	0	6				girdles ...	0	5	3			
Whin ...	0	5	0				<b>COAL</b> ...	0	2	0			
Post girdles and grey											4	0	3
metal stone ...	0	3	4				Thill ...	0	1	0			
White post ...	0	4	0				Post girdles ...	0	1	4			
<b>COAL—Grove Seam</b>	0	2	4				Grey metal, with post						
				28	1	10	girdles ...	1	4	6			
Thill ...	0	0	6				Whin ...	0	0	8			
Grey metal stone, with							Grey metal, with						
post girdles ...	0	2	6				scarcs of post ...	0	1	6			
<b>COAL</b> , coarse ...	0	0	6				Blue stone, mixed						
				0	3	6	with ironstone ...	0	4	6			
Thill ...	0	0	6				Black stone ...	0	3	6			
Blue metal, with iron-							Grey post ...	1	0	0			
stone balls ...	2	1	0				Whin ...	0	2	4			
Grey metal, with scarcs							Grey post ...	1	3	8			
of post ...	2	1	4				Whin ...	0	1	8			
Green post, with much							<b>COAL</b> ...	0	0	3			
water ...	5	1	6								7	0	11
<b>COAL</b> ...	0	0	2				Thill ...	0	2	8			
				9	4	6	Grey post ...	1	4	0			
Thill ...	0	0	5				Blue metal, with iron-						
<b>COAL</b> ...	0	0	3				stone ...	1	3	9			
				0	0	8	<b>COAL</b> ...	0	0	6			
Thill ...	0	0	8								3	4	11
Blue stone ...	0	0	2				Grey metal stone, with						
Grey metal stone ...	0	4	6				post girdles ...	0	5	7			
Grey post, with water	1	5	0				Blue stone, with scarcs						
Blue metal, mixed							of post ...	2	1	0			
with balls of iron-							<b>COAL—Engine Seam</b>	0	3	11			
stone ...	0	3	0								3	4	6
<b>COAL</b> ...	0	2	11				Strong grey thill ...	0	1	4			
				3	4	3	Strong white post ...	2	1	0			
Grey metal ...	0	0	6				<b>COAL—Hodge Seam</b>	0	1	8			
Grey post ...	0	0	5								2	4	0
<b>COAL</b> ...	0	4	7			*	Thill ...	0	3	2			
	0	0	9				Blue stone ...	0	3	6			
				1	0	3	Coarse open-grained						
Thill ...	0	0	10				post, with partings	9	1	6			
Blue metal, with iron-							<b>COAL</b> ...	0	0	4			
stone ...	0	5	0								10	2	6
Green post ...	0	4	4				Carried forward				86	3	10
Whin ...	1	1	9										
Carried forward	2	5	11	50	5	4							

\* Approximate sea level (Ordnance datum).

## No. 2,107.—WALBOTTLE.—CONTINUED.

			Fs.	Ft.	In.	Fs.	Ft.	In.				Fs.	Ft.	In.
Brought forward						86	3	10	Brought forward			Fs.	Ft.	In.
Thill	...	...	0	5	9				Strong grey post	...	...	1	0	1
COAL	...	...	0	0	2				COAL	...	...	0	1	6
						0	5	11						
Strong grey post	...	...	1	1	8				Blue stone	...	...	0	0	4
Blue stone, with post	...	...							COAL	...	...	0	0	6
girdles	...	...	1	2	2									
COAL— $3\frac{1}{4}$ Seam	...	...	0	1	11							0	0	10
						2	5	9						
Strong grey thill	...	...	0	4	8				Thill	...	...	0	3	8
COAL	...	...	0	0	5				Blue stone	...	...	2	3	6
						0	5	1	Strong black stone	...	...			
Thill	...	...	0	2	0				girdle	...	...	0	0	10
Grey post	...	...	0	3	6				Thill	...	...	0	2	8
COAL	...	...	0	0	7				Strong grey metal	...	...			
						1	0	1	stone	...	...	1	0	2
Thill	...	...	0	1	0				Strong grey post	...	...	1	0	4
Strong grey post	...	...	3	5	6				Whin	...	...	0	1	6
COAL— <i>Main Coal</i>	...	...	0	3	1				Strong grey post, with	...	...			
						4	3	7	partings	...	...	1	4	6
Thill	...	...	0	2	0				Blue stone, with thin	...	...			
COAL	...	...	0	0	3				post girdles	...	...	0	4	0
						0	2	3	COAL, splint—	...	...			
Strong grey post	...	...	0	3	6				<i>Brockwell Seam</i>	...	...	0	4	6
Black stone	...	...	1	0	9							9	1	8
Carried forward			1	4	3	97	2	6	Total	...	...	109	4	10

This pit is  $55\frac{1}{2}$  fathoms above high water mark.

## No. 2,108.—WALBOTTLE.

TOWNSHIP OF WALBOTTLE, NORTHUMBERLAND.

Sheet of Ordnance Map. Lat. , Long.

*An Account of Strata sunk through at Walbottle Colliery, by Thomas Maddison.  
May 15th, 1828.*

Approximate surface level feet above sea (Ordnance datum).

			Fs.	Ft.	In.	Fs.	Ft.	In.				Fs.	Ft.	In.
Soil			0	3	2				Brought forward			7	0	2
Gravel, with water			0	3	6				Fire clay	...	...	0	2	1
Strong white post,									Grey metal stone, with	...	...			
with water			5	2	4				girdles	...	...	2	0	9
COAL, coarse			0	3	2				Dark grey whin	...	...	0	5	3
						7	0	2	Fine blue metal stone,	...	...			
									with ironstone gir-	...	...	11	0	9
									dles	...	...			
												14	2	10
Carried forward			7	0	2				Total	...	...	21	3	0



## No. 2,110.—WALDRIDGE.

TOWNSHIP OF WALDRIDGE, DURHAM.

Sheet 20 of Ordnance Map. Lat. , Long.

*Bored near the Burn side, about 180 yards below the Durham Road, on the South extremity of Waldridge Common, and joining Chester South Moor. 1776.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Rods measured ...	36	3	5				Brought forward	42	0	8			
Grey metal ...	0	1	6				<i>Hutton Seam—</i> Ft. In.						
Grey metal stone ..	0	3	6				<b>COAL</b> ...	1	6				
Black stone ...	0	2	0				<b>COAL</b> and						
White post ...	1	0	6				water ...	2	4				
Blue metal, with cat-							<b>COAL</b> , brassy	0	9				
heads ...	3	0	0							0	4	7	
Soft blue metal ...	0	1	9										42 5 3
							Black slaty metal ...	0	0	6			
							<b>COAL</b> , foul... ..	0	0	2			
							Black slaty metal ...	0	0	5			
							In grey metal ...	0	0	5			
													0 1 6
Carried forward	42	0	8				Total ...				43	0	9

## No. 2,111.—WALDRIDGE.

TOWNSHIP OF WALDRIDGE, DURHAM.

Sheet of Ordnance Map. Lat. , Long.

*Section of Strata sunk and bored through at Waldridge Colliery, on the East side of Waldridge Common.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Gravelly soil... ..	0	1	3				Brought forward	8	1	6			
Gravelly clay ...	1	1	8				<i>Main Coal Seam—</i> Ft. In.						
Yellow sandy clay ...	1	3	7				<b>COAL</b> , coarse	1	7				
Dark metal ...	2	0	5				Stone band ...	0	2				
Grey metal ...	3	0	7				<b>COAL</b> , good	3	9				
										0	5	6	
													9 1 0
Carried forward	8	1	6				Carried forward				9	1	0



## No. 2,111.—WALDRIDGE.—CONTINUED.

Brought forward			Fs.	Ft.	In.	Fs.	Ft.	In.
			9	1	0			
Grey metal ...	...	...	2	1	9			
Grey post ...	...	...	1	3	7			
White post ...	...	...	0	2	2			
Grey metal ...	...	...	1	4	4			
Blue metal ...	...	...	2	0	3			
Black metal ...	...	...	0	1	2			
Grey metal ...	...	...	0	0	9			
Blue metal ...	...	...	1	1	8			
COAL ...	...	...	0	0	3			
Grey metal ...	...	...	1	2	2			
<i>Maudlin Seam—</i>								
COAL, coarse	3	2						
Grey metal ...	0	6						
COAL ...	0	9						
			0	4	5			
			11	4	6			
Grey metal ...	...	...	0	0	11			
White post ...	...	...	2	0	0			
Grey metal ...	...	...	2	3	7			
Dark metal ...	...	...	0	5	2			
White post ...	...	...	4	3	6			
<i>Low Main Seam—</i>								
COAL, good	3	0						
Splint ...	0	1						
			0	3	1			
			10	4	3			
Grey metal ...	...	...	0	0	7			
Grey post ...	...	...	3	2	4			
<i>Brass Thill Seam—</i>								
COAL ...	1	7						
Stone ...	0	1						
COAL ...	0	3						
			0	1	11			
			3	4	10			
Grey metal ...	...	...	1	3	3			
Grey post ...	...	...	1	0	8			
White post ...	...	...	0	1	10			
COAL ...	...	...	0	0	11			
			3	0	8			
Grey metal ...	...	...	0	2	7			
Grey post ...	...	...	1	4	5			
Grey post girdles ...	...	...	1	3	6			
White post ...	...	...	1	1	4			
Blue metal, with iron- stone girdles ...	...	...	0	4	9			
<i>Hutton Seam—</i>								
COAL ...	3	11						
Stone ...	0	4						
COAL and stone ...	1	7						
			0	5	10			
			6	4	5			
Carried forward			45	1	8			
Brought forward								
Grey metal ...	...	...	0	5	0			
Grey post ...	...	...	1	1	0			
Blue metal ...	...	...	0	0	3			
COAL ...	...	...	0	0	4			
			2	0	7			
Grey metal ...	...	...	1	0	10			
White post ...	...	...	2	5	0			
COAL ...	...	...	0	0	1			
			3	5	11			
Black stone ...	...	...	0	0	4			
Grey metal ...	...	...	0	5	6			
White post ...	...	...	0	5	9			
Grey post ...	...	...	0	3	3			
White post, with blue metal partings ...	...	...	1	3	6			
Black stone ...	...	...	0	1	3			
Post girdle ...	...	...	0	0	8			
Blue metal ...	...	...	0	3	0			
Whin girdles ...	...	...	0	0	3			
Blue metal ...	...	...	0	1	0			
COAL ...	...	...	0	1	2			
			5	1	8			
Grey metal ...	...	...	0	2	6			
Grey post ...	...	...	0	3	6			
Whin girdle ...	...	...	0	0	4			
Grey post ...	...	...	1	0	0			
Blue metal ...	...	...	0	0	3			
White post ...	...	...	0	0	8			
Whin girdle ...	...	...	0	1	6			
White post ...	...	...	0	1	0			
Whin girdle ...	...	...	0	0	6			
Grey metal ...	...	...	0	3	7			
Grey post ...	...	...	0	4	8			
White post ...	...	...	0	1	6			
Grey post ...	...	...	1	0	0			
Blue metal ...	...	...	3	1	0			
COAL ...	...	...	0	1	0			
			8	4	0			
Grey metal ...	...	...	0	1	6			
COAL ...	...	...	0	0	7			
			0	2	1			
Grey metal ..	...	...	0	4	0			
Total sunk ...			66	1	11			
<i>Bored further :—</i>								
Grey metal stone ...	...	...	1	0	3			
Black metal ...	...	...	0	0	8			
COAL, foul... ..	...	...	0	1	8			
			1	2	7			
Grey metal ...	...	...	0	3	9			
White post ...	...	...	1	0	0			
Grey metal, scared with post ...	...	...	0	3	0			
Dark metal ...	...	...	0	1	0			
Carried forward			2	1	9	67	4	6

## No. 2,111.—WALDRIDGE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward	2	1	9	67	4	6	Brought forward	1	0	6	74	3	2	
Black metal ...	...	0	1	0			Grey metal ...	...	1	2	5			
Dark metal ...	...	0	2	0			<b>COAL</b> ...	...	0	0	7			
Grey metal ...	...	0	0	8			Grey metal ...	...	4	4	1			
White post ...	...	2	1	6			<i>Busty-bank Seam</i> —							
<b>COAL</b> ...	...	0	1	0				Ft. In.						
				5	1	11	<b>COAL</b> , tender	1	10					
Grey metal ...	...	1	1	1			Metal ...	0	4					
<b>COAL</b> , soft...	...	0	1	8			<b>COAL</b> , tender	1	10					
				1	2	9				0	4	0		
Grey metal ...	...	1	0	0								7	5	7
<b>COAL</b> ...	...	0	0	6										
Carried forward	1	0	6	74	3	2	Total ...	...			82	2	9	

## No. 2,112.—WALDRIDGE.

## TOWNSHIP OF WALDRIDGE, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 50' 40", Long. 1° 36' 32".

*Section of Strata sunk through at Waldridge Fell Colliery.*

Approximate surface level 366 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay, mixed							Brought forward				15	4	7
with sand ...	3	0	0				Brown thill ...	0	2	0			
Blue metal ...	0	5	8				Strong grey metal ...	1	2	2			
Flint, white post ...	0	3	0				White post ...	0	2	10			
Blue metal ...	0	3	0				<b>COAL</b> , splinty—						
Grey metal, with post							<i>Maudlin Seam</i> ...	0	1	4			
girdles ...	1	0	0								2	2	4
Blue metal ...	3	1	2				Thill ...	0	2	3			
<b>COAL</b> — <i>Main Coal</i>							Grey metal ...	0	3	0			
<i>Seam</i> ...	0	5	0				Post ...	1	1	1			
				9	5	10	Blue metal ...	0	1	0			
Thill ...	0	1	10				White post ...	2	4	5			
Post girdles ...	0	1	2				Blue metal ...	0	0	8			
Grey metal, mixed							White post ...	3	0	11			
with post girdles ...	0	4	2				Brown post, with						
White post ...	0	2	5				partings ...	3	4	2			
Grey metal, with post							<b>COAL</b> — <i>Low Main</i>						
girdles ...	0	3	0				<i>Seam</i> ...	0	3	0			
Blue stone ...	0	4	5								12	2	6
Black stone ...	0	0	8				Thill ...	0	1	0			
White post ...	0	3	6				Post girdles ...	0	5	0			
Grey metal, with post							Blue stone ...	1	0	9			
girdles ...	0	3	5				Post, with whin ...	0	4	8			
Blue metal stone ...	1	3	10				Blue stone ...	0	5	0			
<b>COAL</b> ...	0	0	4				<b>COAL</b> — <i>Brass Thill</i>						
				5	4	9	<i>Seam</i> ...	0	1	8			
Carried forward											4	0	1
							Carried forward				34	3	6

## No. 2,112.—WALDRIDGE.—CONTINUED.

Brought forward			Fs.	Ft.	In.	Fs.	Ft.	In.
			34	3	6			
Thill	...	...	0	2	8			
Blue stone	...	...	1	3	8			
Post girdles	...	...	0	4	9			
Grey metal, with post girdles	...	...	0	3	9			
Post girdles	...	...	0	1	0			
Blue metal	...	...	0	0	7			
COAL	...	...	0	1	0			
			<hr/>			3	5	5
Grey metal	...	...	0	3	0			
White post	...	...	0	4	9			
Blue metal	...	...	1	1	10			
Grey metal	...	...	1	1	0			
White post	...	...	0	4	6			
Blue metal stone	...	...	0	4	0			
			<hr/>					
Carried forward			5	1	1	38	2	11

Brought forward			Fs.	Ft.	In.	Fs.	Ft.	In.
			5	1	1	38	2	11
<i>Hutton Seam—</i>	Ft.	In.						
COAL, good	3	10						
Band	...	0 3						
COAL	...	0 4						
Band	...	0 2						
COAL, bottom	...	0 7						
			<hr/>			0	5	2
						<hr/>		
Grey metal	...	...	0	1	6			
Brown post	...	...	2	3	0			
Blue stone	...	...	0	0	4			
COAL	...	...	0	0	5			
						2	5	3
Grey thill	...	...	0	1	4			
Grey metal	...	...	0	0	11			
						<hr/>		
						0	2	3
						<hr/>		
Total	...	...				47	4	8

## No. 2,113.—WALDRIDGE.

TOWNSHIP OF WALDRIDGE, DURHAM.

Sheet 20 of Ordnance Map. Lat. 54° 50' 18", Long. 1° 34' 51".

*Waldridge Colliery. Section of the Strata sunk through in the Chester South Moor Fan Pit. Finished November 10th, 1888.*

Approximate surface level 160 feet above sea (Ordnance datum).

			Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	...	...	0	1	0			
Sandy clay	...	...	1	2	0			
Yellow sand	...	...	2	0	0			
Grey sand, with water	...	...	1	3	4			
Grey loam	...	...	3	5	6			
Blue metal	...	...	0	0	6			
Sand and loam	...	...	2	5	0			
Sandy clay and boulders	...	...	2	3	8			
						14	3	0
Grey metal	...	...	0	1	1			
Blue metal	...	...	1	5	9			
COAL, coarse	...	...	0	0	7			
						2	1	5
Black stone, mixed with coal	...	...	0	1	6			
Blue metal	...	...	0	1	6			
Brown post girdles and water	...	...	0	4	3			
COAL	...	...	0	0	3			
						1	1	6
Carried forward						17	5	11

			Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward						17	5	11
Soft grey metal	...	...	0	3	4			
COAL	...	...	0	0	3			
						0	3	7
Blue metal	...	...	0	4	0			
COAL	...	...	0	0	4			
						0	4	4
Blue metal	...	...	0	5	0			
Grey metal, with post girdles	...	...	2	4	0			
Blue metal, with iron girdles and water	...	...	3	4	7			
Low Main Seam—								
COAL, with water	Ft.	In.						
	2	9½						
Seggar	1	6						
COAL	0	3½						
Grey metal	1	4						
COAL	0	1						
						0	0	7
						0	5	5
						8	1	7
Carried forward						27	3	5

\* Approximate sea level (Ordnance datum).





## No. 2,114.—WALKER.

TOWNSHIP OF WALKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat. \_\_\_\_\_, Long. \_\_\_\_\_

*Bored in Walker Estate at the head of Stot's Pow Dean for the Corporation of Newcastle. First Hole, a little below the middle of the Bank.  
March 21st, 1753.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and brown clay...	0	1	6				Brought forward	11	0	0			
Stony clay ...	1	3	0				Brown sandy channel,						
Leafy clay ...	0	1	0				with water ...	0	4	0			
Strong clay ...	6	2	0				Brown and grey leafy						
Leafy clay ...	2	1	0				clay ...	1	0	0			
Sandy clay ...	0	2	0				Sandy clay ...	0	2	0			
Stony clay ...	0	1	6				In brown scamy post	2	0	0			
											15	0	0
Carried forward	11	0	0				Total ...				15	0	0

## No. 2,115.—WALKER.

TOWNSHIP OF WALKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat. \_\_\_\_\_, Long. \_\_\_\_\_

*Second Hole, about 90 yards up the Bank westward from the First Hole before mentioned.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and soft clay ...	0	3	0				Brought forward	15	3	0			
Stony clay ...	4	0	0				Brown sandy ramble						
Soft leafy clay, scared							or gravel, mixed						
with sand and a							with brown and						
siping of water ...	2	0	0				blue clay ...	3	3	0			
Stony clay ...	6	3	0				Gulletty brown ram-						
Leafy clay, scared							ble, or broken post	0	3	4			
with sand ...	1	3	0				In brown scamy post	0	3	0			
Soft brown and grey											20	0	4
scamy metal, mixed													
with clay ...	1	0	0										
Carried forward	15	3	0				Total ...				20	0	4

August 5th, 1754.—Levelled from the top of Walker Resolution Pit to Tyne side, at the highest water mark to 8 fms. 1 ft. 5 ins., the distance is 836 yards; and from Byker Recovery Pit to the top of the Resolution Pit, 11 fms. 2 ft. 1 in., the distance is 1,270 yards.

## No. 2,118.—WALKER.

TOWNSHIP OF WALKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat. , Long.

*Account of the Boring in Walker Estate, at the head of Stot's Pow Dean.  
August 27th, 1753.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to scaffold ...	7	2	8				Brought forward	6	2	9	30	0	5
Box ...	6	3	4				Grey post ...	1	2	6			
Leafy clay ...	0	4	0				Metal parting, with						
Gravel, mixed with							much water ...	0	0	3			
sand and water ...	0	5	9				Strong white post ...	3	0	0			
				15	3	9	Strong white and grey						
Brown post, with soft							post ...	2	0	0			
scamy partings ...	1	5	0				Grey metal stone ...	0	1	4			
Brown and grey post	0	1	6				<b>COAL</b> ...	0	0	5			
Brown and grey post,											13	1	3
with soft brown and							Grey metal ...	0	1	6			
sandy partings ...	1	0	0				Grey post ...	0	5	0			
Grey, white, and brown							Grey metal, with gir-						
post ...	2	0	0				dles or lumps ...	1	2	0			
An open gullet or hol-							Strong white post,						
low place ...	0	1	3				mixed with whin ...	1	5	0			
				5	1	9	White and grey post	2	2	0			
Strong white and							White post with whin						
brown post ...	3	1	6				girdles ...	2	5	0			
Coal pipe parting ...	0	0	4				Grey post ...	0	2	0			
White post ...	0	4	0				White post ...	1	2	0			
<b>COAL</b> , mixed with													
black metal ...	0	0	4				Blue metal ...	Ft. In.					
				4	0	2	<b>COAL</b> ...	1	6				
Blue and grey metal...	2	0	0				Black metal,						
Soft black metal,							scared with						
mixed with coal ...	0	0	8				coal ...	1	6				
				2	0	8				0	4	0	
Grey post, with water	1	1	0								11	4	6
Blue grey metal stone	0	4	0				White post ...	2	1	0			
Blue metal ...	0	3	9				Blue and grey metal	0	3	0			
							<b>COAL</b> ...	0	0	3			
<b>COAL</b> ...	Ft. In.						A hard slaty girdle or						
Blue and grey	0	7					lump ...	0	0	3			
metal, mixed							<b>COAL</b> ...	0	0	6			
with coal ...	2	0									2	5	0
<b>COAL</b> , hard							Grey metal, with gir-						
and water ...	0	9					dles or lumps ...	1	0	0			
				0	3	4	White post ...	0	2	0			
				3	0	1	Grey metal stone ...	0	0	9			
Soft grey metal stone	1	2	0				Grey and black metal,						
Whin mixture ...	0	0	9				with whin girdles...	1	3	0			
White post, with water	1	2	0				Black slaty metal ...	0	2	0			
Grey metal stone ...	1	3	0				Grey metal ...	0	1	0			
Strong white post,							<b>COAL</b> ...	0	0	8			
mixed with whin ...	0	1	0								3	3	5
Grey and black metal,							Grey metal ...	0	0	4			
with girdles or							White post ...	1	0	8			
lumps ...	2	0	0										
Carried forward	6	2	9	30	0	5	Carried forward	1	1	0	61	2	7

## No. 2,118.—WALKER.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward	1	1	0	61	2	7	Brought forward	7	3	3	72	5	11	
Strong grey post ...	1	1	0				Grey metal, with whin							
Blue and grey metal,							girdles ...	0	5	0				
with girdles or							Whin ...	0	1	2				
lumps ...	2	0	0				Strong white post,							
Black metal ...	0	1	6				with water ...	1	4	6				
Soft grey metal ...	0	1	0				Strong white post,							
Grey post, with metal							mixed with whin ...	0	5	9				
partings ...	1	3	9				Whin ...	0	2	9				
Strong black grey							Strong white post,							
metal stone, with							mixed with whin ...	1	3	10				
post girdles ...	3	3	0				Strong white post ...	1	2	0				
White post ...	0	1	6				Blue metal ...	0	4	0				
Strong white post,							Grey post ...	0	1	6				
mixed with whin...	0	3	6				Blue metal ...	1	1	6				
Whin ...	0	2	10				<i>High Main Coal</i>							
White post ...	0	2	0				<i>Seam—</i>							
<b>COAL</b> or <i>coal pipe</i>							<i>Ft. In.</i>							
partings ...	0	0	3				<b>COAL</b> ...	6	9					
				11	3	4	<b>COAL</b> , with							
Whin ...	0	0	9				hard slaty							
White post ...	0	1	0				lumps or scare							
Strong white post ...	0	2	6				bands ...	1	3					
Grey metal, with gir-										1	2	0		
dles or lumps ...	1	0	0									18	1	3
Grey post girdles,							Black slaty metal,							
with black and blue							mixed with <i>coal</i> ...	0	0	6				
partings ...	1	0	0				Blue metal ...	0	0	10				
Strong white post,							In blue and black							
mixed with whin ...	0	2	0				slaty metal ...	0	1	2				
Grey and black metal												0	2	6
stone ...	4	3	0											
Carried forward	7	3	3	72	5	11	Total ...				91	3	8	

## No. 2,119.—WALKER.

TOWNSHIP OF WALKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat. , Long.

*Bored in a Staple near the Engine Pit, Walker Estate, 30 yards South-west, side of Waggonway, about 400 yards from Warcombe. May 25th, 1757.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to scaffold ...				11	0	0	Brought forward	11	0	0	11	0	0
Box ...	7	0	0				Black and grey metal						
Soft grey metal, with							with small scares of						
girdles or lumps ...	4	0	0				<i>coal</i> ...	1	0	0			
Carried forward	11	0	0	11	0	0	Carried forward	12	0	0	11	0	0



## No. 2,119.—WALKER.—CONTINUED.

Brought forward	Fs.	Ft.	In.	Fs.	Ft.	In.	Brought forward	Fs.	Ft.	In.	Fs.	Ft.	In.
	12	0	0	11	0	0		2	3	0	56	5	9
White and grey post, with scamy partings and water ...	6	0	0				Black metal, scared with coal ...	0	0	3			
<b>COAL</b> ...	0	0	8				Grey metal stone, with post girdles and water ...	1	4	0			
				18	0	8	Grey metal ...	0	2	0			
Soft white post ...	0	3	9				Black metal ...	0	0	6			
<b>COAL</b> ...	0	0	4				Grey metal stone, with post girdles ...	0	3	6			
White post ...	0	2	6				Strong grey post, mixed with whin ...	1	1	0			
<b>COAL, foul...</b>	0	0	2				Blue metal stone ...	0	4	0			
				1	0	9	Black slaty metal ...	0	4	0			
Grey metal... ..	0	2	0				Grey metal stone with post girdles ...	1	0	0			
Grey cashy metal stone, with post girdles and settled the water ...	0	5	0				<b>COAL</b> ...	0	0	7			
Grey metal ...	1	0	0								8	4	10
<b>COAL</b> ...	0	0	5				Grey metal ...	0	2	0			
				2	1	5	Strong grey metal stone, with strong post girdles and whin lumps ...	2	0	0			
Grey and blue metal	0	5	0				Black stone ...	0	0	10			
Grey and white post, with water or sul- phur ...	0	3	0				Grey and blue metal stone ...	1	3	0			
Grey metal stone ...	1	2	6				Strong white post ...	0	1	6			
Black metal, with scares of coal ...	0	3	0				Grey metal parting ...	0	0	3			
Grey post, with metal partings ...	1	4	0				Strong white post ...	2	0	0			
Grey metal stone, with post girdles ...	4	0	0				Whin, mixed with strong white post... ..	2	0	0			
Black metal ...	0	1	0				Whin ...	0	5	0			
Grey and white post	1	0	0				Strong white post, mixed with whin ...	1	1	0			
Whin ...	0	1	3				Whin ...	0	3	6			
White post ...	0	1	6				Strong white post, mixed with whin ...	3	4	0			
Whin ...	0	2	0				Whin ...	0	0	11			
Strong white post, mixed with whin ...	0	1	6				Blue metal ...	0	3	0			
White post, with hard girdles and scamy partings ...	4	1	0				Strong grey metal stone, with a whin girdle near the bot- tom ...	0	1	6			
Grey metal ...	2	2	6				Strong blue metal, with girdles or lumps ...	0	4	0			
White post ...	1	2	6				Black slaty metal, with small scares of coal at bottom ...	0	1	0			
Strong white post, mixed with whin ...	1	0	0				Strong black and grey metal stone ...	0	1	6			
Grey metal ...	1	4	6				Strong white post, mixed with whin, with whin girdles and some grey scames ...	0	4	0			
Grey post ...	1	0	0										
Grey metal stone ...	1	3	0										
<b>COAL</b> ...	0	0	8										
				24	2	11							
Grey metal ...	0	0	9										
Strong grey metal stone, with post girdles ...	2	1	6										
Black metal ...	0	0	9										
Carried forward	2	3	0	56	5	9	Carried forward	17	1	0	65	4	7

## No. 2,119.—WALKER.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	17	1	0	65	4	7	Brought forward	9	3	4	86	1	7
Strong black and grey stone, with hard girdles ...	0	3	6				<i>High Main Coal</i>						
Blue and black metal, with hard girdles or lumps and water ...	2	4	0				Seam—	Ft.	In.				
COAL ...	0	0	6				COAL ...	2	11				
				20	3	0	Scare band or brassy lump	0	1				
Grey metal ...	0	0	4				COAL ...	2	11				
Strong grey and white post, with water ...	6	5	0				Scare band or brassy lump	0	1				
Grey metal stone, with strong post girdles and water ...	2	4	0				COAL ...	0	11				
							COAL, foul	1	5				
										1	2	4	
Carried forward	9	3	4	86	1	7	Black and blue metal	0	1	6	10	5	8
							Grey metal, with girdles or lumps	0	2	0			
							In grey post	0	1	3			
											0	4	9
							Total ...				98	0	0

March 1st, 1758.—Rods measured by A. Barnes, 88 fms. 1 ft. 5 ins.

## No. 2,120.—WALKER.

TOWNSHIP OF WALKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat. , Long.

*Strata bored through in Walker Ground, in the Fortune Pit. June 26th, 1757.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Ft.	In.	Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk through clay to the scaffold ...				10	0	0	Brought forward	2	9	6	1	6	21	3	0
Box through clay below scaffold ...	3	0	0				Black metal ...	0	5						
Stony clay ...	6	0	0				COAL, but soft near the bottom ...	2	4						
Sand and gravel, mixed with clay ...	2	3	0				COAL, foul								
				11	3	0	brassy ...	0	3						
							COAL ...	0	5						
White and grey post	6	1	6						1	0	2	7	1	8	
							Grey metal ...	0	0	2					
COAL ...	1	4					Black slaty metal, mixed with coal ...	0	1	7					
Grey metal ...	0	1					COAL ...	0	0	4					
COAL ...	1	4									0	2	1		
							In grey metal				0	0	10		
Carried forward	2	9	6	1	6	21	Total ...				29	1	7		



## No. 2,122.—WALKER.

TOWNSHIP OF WALKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat. , Long.

*Account of the Boring in a Staple at Walker, about 100 yards to the North-west from the Engines. June 6th, 1759.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to the box top				7	3	9	Brought forward	11	3	0	14	0	3
Box ... ..	1	1	0				White and grey post,						
Stony clay ... ..	5	1	6				with water ...	2	5	0			
				6	2	6	Grey post, with coal						
Soft blue and brown							pipy partings ...	2	1	6			
scamy metal ...	1	1	6				Grey scamy post ...	1	3	6			
Grey and blue metal	5	5	0				<b>COAL</b> ... ..	0	0	5			
Soft black grey metal	0	4	0								18	1	5
Black stone, with							In white grey metal						
water ... ..	0	1	6				stone ... ..				0	1	6
Grey and white post	3	3	0										
Carried forward	11	3	0	14	0	3	Total sunk and bored	32	3	2			

July 5th, 1759.—Rods measured by Mr. Barues to 25 fms. 0 ft. 2 ins.

## No. 2,123.—WALKER.

TOWNSHIP OF WALKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat. 54° 58' 54", Long. 1° 32' 26".

*Account of Borehole in East Pit, Walker Colliery. July 2nd, 1770.*

Approximate surface level 48 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to scaffold ...				10	5	7	Brought forward	7	2	9	25	4	4
Box ... ..	8	1	0				Whin mixture ...	0	2	0			
Grey and white post	6	3	0				Grey post and part-						
Grey metal ... ..	0	0	6				ings ... ..	0	4	6			
<b>COAL</b> ... ..	0	0	3				Grey metal stone, with						
				14	4	9	girdles ... ..	4	5	0			
Blue metal and girdles	4	5	3				Grey and white post	5	3	0			
Black stone, with a							Grey and blue metal	0	3	0			
small scare of coal							<b>COAL</b> ... ..	0	0	6			
at bottom ... ..	0	4	0								19	2	9
White and grey post	1	5	6										
Carried forward	7	2	9	25	4	4	Carried forward	45	1	1			



## No. 2,123.—WALKER.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				45	1	1	Brought forward				61	1	10
Grey metal, with girdles and water ...	2	0	0				Strong grey metal and metal stone ...	5	0	0			
Grey and white post, with mixture of whin girdles and water ...	1	3	0				Black metal, mixed with coal ...	0	2	0			
Grey metal, with girdles and water ...	1	1	0				Strong white post ...	6	1	6			
Black and blue metal ...	0	3	6				Strong grey metal stone and mixture of whin girdles ...	2	0	0			
Grey post ...	1	4	6				Black stone, mixed with coal ...	0	0	6			
Whin ...	0	1	6				Strong grey metal stone and mixture whin girdles ...	1	0	0			
Dark grey metal, with water ...	0	5	0				Grey metal ...	1	2	6			
<b>COAL</b> ...	0	0	10				Black metal ...	3	2	0			
				8	1	4	Strong white post, with a mixture of whin in several places ...	7	3	0			
Grey metal ...	0	3	0				Blue metal ...	2	3	9			
Grey metal stone ...	2	4	0				<b>COAL and drift—</b>						
Whin mixture ...	0	2	3				<i>High Main Coal</i>						
Grey metal stone ...	1	0	0				<i>Seam</i> ...	1	0	0			
Grey metal ...	1	3	0								30	3	3
Blackish blue metal... 1 0 0													
Grey metal ...	0	3	6										
Black stone ...	0	0	6										
<b>COAL—3/4 Seam</b> ...	0	1	2										
				7	5	5							
Carried forward				61	1	10	Total ...				91	5	1

## No. 2,124.—WALKER.

TOWNSHIP OF WALKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat. , Long.

*Boring at intended New Pit, Walker Colliery (Jane Pit). February 22nd, 1790.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk in blue clay ...	0	5	0				Brought forward	20	2	0			
Strong stony clay ...	3	0	0				Leafy clay ...	0	1	6			
Blue leafy clay ...	1	3	0				Sand, with a small mixture of clay ...	0	2	6			
Strong brown and blue stony clay ...	11	3	0				In soft brown ramble, with partings ...	1	1	6			
Leafy clay, with small beds of sand and water at top ...	2	0	0								22	1	6
Sand, with a small mixture of clay ...	1	3	0										
Carried forward	20	2	0				Total ...				22	1	6

## No. 2,125.—WALKER.

TOWNSHIP OF WALKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat. , Long.

*The Second Place at Walker, 28 yards North-east from First Place, and 555 yards South 12° West from the Engine. March 24th, 1790.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk in soil and leafy clay ... ..	1	0	0				Brought forward	18	3	0			
Leafy clay ... ..	4	1	0				Sand, with a mixture of clay ... ..	0	2	0			
Sand ... ..	0	0	3				Sand ... ..	0	1	6			
Stony clay, with small beds of gravel and a sipping of water at about 9 fms. from surface ... ..	12	2	0				Sand, with a mixture of clay ... ..	1	1	0			
Strong leafy clay, mixed with sand at top ... ..	0	3	9				Leafy clay ... ..	0	2	0			
Strong clay, with small sandy partings ... ..	0	2	0				Sand, mixed with clay	0	1	0			
Carried forward	18	3	0				In soft brown sandy ramble, with soft scamy partings and water ... ..	0	4	6			
											21	3	0
							Total ... ..				21	3	0

## No. 2,126.—WALKER.

TOWNSHIP OF WALKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat. , Long.

*Bored in King Pit, Walker Colliery. May 5th, 1794.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to scaffold ... ..				42	0	0	Brought forward				59	0	8
Box ... ..	2	3	0				Grey and blue metal, with girdles ... ..	3	0	0			
Metal stone ... ..	1	3	0				Grey metal stone ... ..	1	0	0			
White post ... ..	4	0	0				White post, with partings and water ... ..	6	5	9			
Metal stone ... ..	2	0	0				White post, mixed with whin .. ..	1	3	5			
White post ... ..	6	0	0										
Grey metal and girdles	1	0	0										
COAL ... ..	0	0	8										
Carried forward				17	0	8	Carried forward	12	3	2	59	0	8

## No. 2,126.—WALKER.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	12	3	2	59	0	8	Brought forward	9	4	0	72	4	0
Grey metal stone, with post girdles ...	0	5	0				Whin ...	0	2	0			
<b>COAL</b> ...	0	1	2				Strong white post, mixed with whin in several places ...	5	4	0			
				13	3	4	Black stone, with whin girdles ...	4	4	0			
Grey metal ...	0	4	0				Strong white post to drift ...	3	0	11			
Strong white post ...	0	4	0								23	2	11
Grey metal, with post girdles ...	3	0	0										
Strong white post, with whin girdles...	5	2	0										
Carried forward	9	4	0	72	4	0	Total sunk and bored	96	0	11			

October 30th, 1794.—Rods measured by Mr. Barnes, 54 fms. 3 ft. 11 ins.

## No. 2,127.—WALKER.

TOWNSHIP OF WALKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat. , Long.

*Boring at Walker Colliery, 550 yards North 12° East from the Gosforth Pit.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk ...	0	5	0				Brought forward	11	0	4			
Leafy clay ...	4	5	0				Stony clay, mixed with sand ...	0	2	0			
Strong clay, with whin tumblers ...	4	2	6				Stony clay ...	0	2	0			
Stony clay, mixed with sand ...	0	1	7				Clay, mixed with sand	0	2	0			
Stony clay ...	0	3	0				Sand, with a small mixture of clay, and a sipping of water...	2	0	8			
Sand, with water ...	0	0	6				In sand, with water...	1	3	6			
Stony clay ...	0	0	9								15	4	6
Carried forward	11	0	4				Total ...				15	4	6

## No. 2,128.—WALKER.

TOWNSHIP OF WALKER, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat. 54° 58' 55", Long. 1° 32' 26".

*Bored in the Charlotte Pit, Walker Colliery, from the Main Coal Seam.  
November 2nd, 1801.*

Approximate surface level 65 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk from surface to <i>High Main Seam...</i>	100	0	0				Brought forward				100	0	0
Carried forward	100	0	0				Box ...	0	5	0			
							Carried forward	0	5	0	100	0	0

## No. 2,128.—WALKER.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	0	5	0	100	0	0	Brought forward	141	5	8			
Grey metal, with girdles ...	4	5	0				Grey metal, with girdles ...	2	0	0			
<i>Metal Coal Seam—</i>							White post, with partings ...	5	5	0			
COAL ...	0	6					<i>Six-Quarter Seam—</i>						
Grey metal ...	1	3					COAL ...	0	10				
COAL, with sulphur ...	2	8		0	4	5	Blue metal ...	0	5				
							COAL ...	0	6				
Grey metal, with girdles ...	2	0	0	6	2	5		0	1	9*	8	0	9
Black stone ...	1	3	6				Blue metal, with scars of coal at top	0	5	0			
COAL—Stone Coal	0	0	10	3	4	4	<i>Five-Quarter Seam—</i>						
Soft grey metal ...	0	0	10				COAL, mixed with black stone ...	3	0				
Strong grey metal stone, with post girdles ...	6	5	0				COAL ...	0	10				
COAL—Yard Seam	0	2	9	7	2	7		0	3	10	1	2	10
Grey metal, with whin girdles ...	1	3	0				Grey metal ...	0	2	0			
Black grey stone, with girdles or sulphur	0	2	0				Grey post ...	0	4	0			
Strong white post, mixed with whin and metal partings	5	0	0				Strong grey post, with a mixture of whin	5	1	0			
Grey metal ...	1	3	8				Grey metal stone, with whin girdles ...	1	2	6			
Strong white post ...	1	1	0				Strong whin girdles...	0	0	7			
Whin ...	0	5	0				Black slate ...	0	0	2			
Strong white post ...	1	5	0				<i>Low Main Seam—</i>						
Black slate ...	0	0	2				COAL, tender ...	5	2				
COAL ...	0	0	8	12	2	6	COAL, with small brass lumps and scare bands	0	11				
Grey metal stone ...	2	3	0					1	0	1	8	4	4
White post ...	1	3	0				Black slate, mixed with coal ...	0	0	3			
Grey metal, with post girdles ...	1	4	2				Black grey metal ...	0	0	11	0	1	2
Black stone ...	0	0	4										
COAL—Bensham Seam	0	3	0	6	1	6							
Grey metal stone, with girdles ...	2	3	0										
COAL, with water and sulphur ...	0	0	3	2	3	3							
Grey metal, with post girdles ...	2	4	8										
COAL ...	0	5											
Hard band ...	0	6											
COAL ...	1	6		0	2	5							
				3	1	1							
Carried forward	141	5	8				Total	160	2	9			

\* In another copy the section is recorded as 2 feet 9 inches.



## No. 2,129.—WALLSEND.

TOWNSHIP OF WALLSEND, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 54° 59' 13", Long. 1° 31' 55".

*Account of Strata sunk through in the A Pit, Wallsend Colliery, from the High Main to the Low Main Seam, 1821, together with Strata proved to Beaumont Seam.*

Approximate surface level feet above sea (Ordnance datum).

		Fs.	Ft.	In.	Fs.	Ft.	In.			Fs.	Ft.	In.	Fs.	Ft.	In.
To the <i>High Main</i>								Brought forward							
<i>Seam</i> ...					111	0	0	<i>Yard Seam</i> —		Ft.	In.				
COAL, ground	...	0	3	0				COAL, good	1	6					
Grey thill	...	0	3	0				Band	0	4					
Blue stone, with whin	...							COAL, good	1	6					
girdles	...	4	0	0							0	3	4		
<i>Metal Coal Seam</i> —													2	5	10
		Ft.	In.					Grey thill	...	0	2	0			
COAL	...	0	5					Post girdles	...	0	0	8			
Grey thill or	...							Grey post	...	1	0	4			
band	...	0	7					Blue stone and whin	...						
COAL	...	2	3					girdles	...	1	0	4			
					0	3	3	Strong white post	...	0	3	9			
					5	3	3	COAL and stone	...	0	0	2			
Grey thill	...	0	2	0				Grey post girdles	...	0	4	0			
Strong grey metal	...	1	3	6				Grey thill and blue	...						
Grey post	...	0	0	10				girdles	...	2	1	3			
Blue stone and whin	...							Grey post and whin	...	2	2	1			
girdles	...	0	2	9				<i>Bensham Seam</i> —							
Black stone— <i>Stone</i>	...									Ft.	In.				
<i>Coal Seam</i>	...	0	1	7				COAL, bad	0	2					
					2	4	8	COAL, good	2	10					
Blue stone	...	1	1	5				Band	...	1	4				
COAL, splint	...	0	0	5				COAL, bad	0	4					
					1	1	10	COAL, good	0	9					
Dark thill	...	0	4	6				COAL, mixed	...						
Strong grey post	...	0	4	2				with stone	0	8					
Strong blue stone	...	0	4	4							1	0	1		
Blue stone and strong	...												9	2	8
girdles	...	3	2	6											
White post, mixed	...							<i>Sunk in a Staple</i>					144	5	5
with whin	...	2	5	10				<i>25 yards West of</i>							
<i>Coal pipes</i>	...	0	0	2				<i>A Pit:—*</i>							
Post, mixed with <i>coal</i>	...							Thill, mixed with							
<i>pipes</i>	...	0	4	7				ironstone	...	1	1	5			
Blue stone	...	2	0	1				Whin	...	0	2	0			
								Grey metal and post	...						
COAL	...	1	5					girdles	...	1	2	0			
Band	...	1	1					COAL	...	0	0	3			
COAL	...	0	6									2	5	8	
					0	3	0	Grey metal and post	...						
					11	5	2	girdles	...	5	1	0			
Grey thill	...	0	3	0											
Blue stone, mixed with	...									Ft.	In.				
ironstone	...	1	5	6				COAL, splint	0	8					
								Grey metalstone	1	8					
								COAL	...	0	6				
								Stone	...	0	0½				
								COAL, good	1	3					
											0	4	1½		
													5	5	1½
Carried forward		2	2	6	132	2	11	Carried forward					153	4	2½

\* This is also stated to be a boring near G Pit. See No. 2,133.

## No. 2,129.—WALLSEND.—CONTINUED.

Brought forward			Fs.	Ft.	In.	Fs.	Ft.	In.
			153	4	2½			
Thill	...	...	0	1	0			
Grey metal and post	...	...						
girdles	...	...	0	3	11			
Whin	...	...	0	2	6			
Grey metal	...	...	1	0	7			
Grey whin	...	...	0	1	3			
Grey metal	...	...	1	2	9			
Blue metal	...	...	1	2	6			
Black metal	...	...	0	2	10			
COAL	...	...	0	2	2			
						6	1	6
Grey stone	...	...	0	2	8			
COAL, splint	...	...	0	0	4			
						0	3	0
Grey stone	...	...	0	0	11½			
COAL	...	...	0	0	11			
						0	1	10½
Thill	...	...	0	1	6			
Grey metal	...	...	0	1	6			
Post girdles, with blue	...	...						
metal partings	...	...	3	5	6			
Blue metal	...	...	1	5	6			
Black metal	...	...	0	0	9			
<i>Low Main Seam—</i>								
COAL	...	Ft. In.	1	9				
Band	...		0	1				
COAL	...		1	0				
Band	...		0	3				
COAL	...		2	5				
						0	5	6
						7	2	3
<i>Bored further, in 1824,</i>								
<i>in same Staple</i>								
<i>25 yards West of</i>								
<i>Shaft:—*</i>								
White thill	...	...	0	5	8			
Grey post	...	...	0	5	7			
Grey scamy post	...	...	0	5	0			
White post	...	...	0	2	0			
Grey metal	...	...	0	3	2			
White post	...	...	0	5	0			
Grey post	...	...	1	3	0			
White post	...	...	2	2	8			
Blue metal, mixed	...	...						
with post girdles	...	...	0	5	0			
White post	...	...	0	4	11			
Blue metal	...	...	0	0	7			
COAL	...	...	0	0	10			
						10	1	5
Grey thill	...	...	0	1	6			
Grey metal	...	...	0	1	6			
Blue metal	...	...	0	3	2			
Grey whin	...	...	0	0	6			
Blue metal	...	...	0	2	0			
Carried forward			1	2	8	178	2	3
Brought forward			Fs.	Ft.	In.	Fs.	Ft.	In.
			1	2	8	178	2	3
White post	...	...	0	1	4			
Blue metal	...	...	0	1	0			
White post	...	...	0	0	6			
Whin	...	...	0	0	8			
White post	...	...	0	1	7			
Blue metal	...	...	0	1	1			
White post	...	...	0	2	8			
Grey whin	...	...	0	1	0			
White post	...	...	0	1	0			
Blue metal, with iron-	...	...						
stone girdles	...	...	6	0	3			
COAL	...	...	0	0	5			
						9	2	2
Blue metal	...	...	0	0	4			
White post	...	...	0	0	7			
Grey post	...	...	1	2	8½			
Blue metal	...	...	0	1	3½			
Black metal	...	...	0	0	10½			
Grey metal	...	...	0	0	4½			
Blue metal	...	...	0	4	7			
<i>Beaumont Seam—</i>								
COAL	...	Ft. In.	2	11				
Grey stone	...		0	4				
COAL	...		0	7				
Grey stone	...		1	3				
COAL	...		1	5				
						1	0	6
						3	5	3
Thill	...	...	0	2	0			
Grey metal, with post	...	...						
girdles	...	...	1	3	7			
Black metal	...	...	0	2	7			
Grey post	...	...	0	0	8			
White post	...	...	1	3	3			
COAL	...	...	0	0	7			
						4	0	8
Thill	...	...	0	0	10			
Grey metal, with post	...	...						
girdles	...	...	1	2	3			
Blue metal	...	...	0	3	0			
COAL	...	...	0	1	0			
						2	1	1
Thill	...	...	0	1	11			
Blue metal	...	...	1	0	0			
COAL	...	...	0	0	5			
						1	2	4
Thill	...	...	0	2	0			
Grey metal	...	...	0	1	4			
Grey metal	...	...	0	1	8			
White post	...	...	0	3	1			
						1	2	1
Total						200	3	10

\* This is also stated to be a boring near G Pit. See No. 2,134.

## No. 2,130.—WALLSEND.

TOWNSHIP OF WALLSEND, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 54° 59' 43", Long. 1° 31' 58".

*Account of Strata sunk through in the C or Gas Pit, Wallsend Colliery.*  
*October 18th, 1784.*

Approximate surface level 122 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to the scaffold				18	0	0	Brought forward	8	2	3	67	4	9
Box ... ..				9	0	0	White girdly post and						
White post, with							metal partings ...	2	5	0			
water ... ..	5	0	0				White post, with mix-						
COAL ... ..	0	0	5				ture of whin girdles,						
				5	0	5	metal partings, and						
Grey metal stone, with							much water ...	4	1	3			
post girdles ...	5	3	6				Blue grey metal ...	0	1	6			
Strong white post,							White post, with metal						
with whin girdles							partings ... ..	1	4	6			
and scamy partings	2	2	0				Whin ... ..	0	0	6			
Grey metal stone, with							Strong white post ...	0	1	0			
post girdles ...	13	0	0				Grey metal stone ...	0	3	3			
White post ... ..	0	3	0				Soft black and blue						
Whin ... ..	0	2	6				metal, with water...	3	0	0			
Strong white post,							Grey metal ... ..	1	0	0			
with whin girdles							Strong white post,						
and metal partings	6	0	7				with coal pipes ...	0	1	6			
Grey metal stone ...	2	0	0				Grey metal ... ..	0	1	6			
COAL, foul ... ..	0	1	0				Strong white post,						
				30	0	7	with whin girdles...	5	2	0			
Grey metal stone, with							Whin ... ..	0	4	0			
girdles ... ..	1	0	0				Grey scamy post, with						
Whin ... ..	0	2	6				coal pipes... ..	1	4	0			
White post ... ..	0	4	6				Blue grey metal ...	0	2	4			
Grey metal stone, with							Grey and white post	0	2	3			
water ... ..	0	4	0				Grey metal stone ...	0	1	2			
Black metal, with gir-							White and grey post	0	2	4			
dles and catheads...	0	3	0				Black grey metal ...	0	1	3			
Grey metal and post							Grey scamy post gir-						
girdles ... ..	2	1	0				dles and metal part-	0	3	6			
COAL ... ..	0	0	9				ings ... ..						
				5	3	9	Grey metal stone and						
Grey metal ... ..	0	1	6				post girdles ...	1	0	6			
White post ... ..	0	3	6				Black grey metal ...	0	2	2			
Grey metal stone, with							COAL — <i>High Main</i>						
girdles ... ..	1	3	3				<i>Seam</i> ... ..	1	0	0			
Whin ... ..	0	0	9								34	5	9
Grey metal and metal													
stone ... ..	1	5	3										
White post ... ..	4	0	0										
Carried forward	8	2	3	67	4	9	Total ... ..				102	4	6

## No. 2,131.—WALLSEND.

TOWNSHIP OF WALLSEND, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 54° 59' 43", Long. 1° 31' 58".

*Strata bored through in the East Pit Workings, Wallsend Colliery, to the South of Green's Freehold, and about 100 yards East of the Shaft, from the Thill of the High Main Coal Seam.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk a staple in thill and grey metal ...				1	2	0		Brought forward			35	2	3
Ironstone girdle ...	0	0	8					Dark slaty metal, with sulphur ...	0	0	9		
Grey post ...	0	3	0					<b>COAL</b> , with sulphur	0	0	7		
Grey metal, with a sulphurous blower 1 fathom from top	4	0	4					Dark slaty metal, with sulphur ...	0	0	6		
Grey post girdles and metal partings ...	4	2	0					<b>COAL</b> , slaty ...	0	0	5		
<b>COAL</b> , foul ...	0	0	4					Slaty metal ...	0	0	4		
Grey metal stone ...	0	4	0					<b>COAL</b> , coarse, with sulphur and water	0	3	0		
Strong white and grey post ...	8	1	8								0	5	7
<b>COAL</b> — <i>Metal Coal</i> ...	0	0	5					Thill ...	0	0	9		
				18	0	5		Dark grey metal ...	0	0	9		
White post ...	2	0	0					Black slaty metal ...	0	1	2		
Dark brown metal ...	2	0	5					Grey metal stone, with post and whin girdles ...	4	2	6		
Slaty stone, mixed with coal ...	0	0	5					Dark grey metal stone, with post and whin girdles ...	0	4	0		
Grey metal stone, with post and whin girdles ...	3	0	0					Whin ...	0	1	0		
Strong white post ...	2	0	0					Dark grey metal stone, with whin girdles...	0	4	6		
Grey metal stone ...	1	0	0					Whin mixture ...	0	2	0		
Strong white post ...	1	3	0					Whin girdle and metal stone partings ...	0	4	0		
Grey metal stone ...	3	3	0					Metal stone, with white post girdles...	1	1	6		
Black metal, mixed with foul coal ...	0	1	0					<b>COAL</b> , with sulphur, a small scare of band 18 inches from top, and band 4 inches at 1 yard from top	1	0	2		
Dark grey metal, with girdles ...	0	1	3								9	4	4
<i>Bensham Seam</i> —													
<b>COAL</b> ...													
Dark grey metal ...													
<b>COAL</b> ...													
				0	2	9							
				15	5	10							
Carried forward				35	2	3		Total ...			46	0	2



## No. 2,132.—WALLSEND.

TOWNSHIP OF WALLSEND, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 55° 0' 10", Long. 1° 31' 43".

*Account of Strata sunk through in the F Pit, Wallsend.*

Approximate surface level 141 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and strong clay, with tumblers ...	8	4	0				Brought forward				64	3	4
Brown post ...	2	1	0				Thill ...	0	2	0			
Soft grey metal stone	4	0	0				Grey metal stone ...	1	1	0			
White post ...	0	1	0				Grey post ...	0	5	0			
Grey metal stone ...	5	0	0				Black stone ...	0	3	8			
Grey post ...	2	1	0				<b>COAL</b> ...	0	0	4			
Grey metal stone ...	1	1	4								3	0	0
Whin ...	0	0	8				Thill ...	0	2	6			
							Grey metal stone ...	0	2	6			
Strong white and grey post, with water ...	14	1	6				Grey post ...	0	1	6			
Black stone ...	0	4	0				White post ...	0	4	6			
<b>COAL</b> ...	0	0	8				Black stone ...	0	1	8			
				38	3	2	<b>COAL</b> ...	0	0	11			
Thill ...	0	2	0								2	1	7
Grey post ...	0	4	6				Thill ...	0	2	0			
White post ...	0	1	6				Grey metal stone ...	4	4	0			
Whin ...	0	1	8				<b>COAL</b> ...	0	0	3			
Grey post ...	1	1	0								4	3	3
Blue metal stone	0	3	6				Grey metal stone ...	2	0	9			
Grey post ...	2	0	6				Grey post ...	2	0	9			
Blue metal stone	2	0	8				White post ...	4	4	3			
Grey post ...	1	0	0				Blue stone ...	0	0	6			
Whin ...	0	2	4				Grey metal stone ...	0	3	0			
White post ...	2	3	2				Black stone ...	0	1	0			
Black stone ...	0	2	0				Grey post ...	0	5	6			
<b>COAL</b> ...	0	0	2				Blue metal stone	0	1	8			
				11	5	0	Black stone ...	0	1	4			
Grey thill ...	2	1	4				Grey post ...	1	3	0			
Grey post ...	0	5	0				Black stone ...	3	4	0			
Whin ...	0	2	0				<b>COAL</b> ...	0	0	3			
White post ...	0	0	6								16	2	0
Whin ...	0	2	3				Grey thill ...	0	1	8			
White post, with water	6	5	9				White post ...	2	0	0			
<b>COAL</b> ...	0	0	8				Whin, very irregular	0	4	0			
				10	5	6	White post ...	3	0	0			
Grey thill ...	0	1	8				Whin, very irregular	0	4	6			
Grey post ...	0	5	0				White post ...	0	3	0			
Blue metal stone	1	2	0				Grey post, with scares	3	0	0			
<b>COAL</b> ...	0	1	2				Grey metal stone	0	5	7			
				2	3	10	<b>COAL</b> — <i>High Main</i>						
Thill ...	0	3	0				<i>Seam</i> ...	1	1	0½			
<b>COAL</b> ...	0	0	10								12	1	9½
				0	3	10	Outset of pit ...				0	3	0
Carried forward	64	3	4				Total ...				103	2	11½

\* Approximate sea level (Ordnance datum).

## No. 2,133.—WALLSEND.

TOWNSHIP OF WALLSEND, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.  $54^{\circ} 59' 30\frac{1}{4}''$ , Long.  $1^{\circ} 30' 56''$ .*Account of Strata sunk through in the G, George, or Church Pit, Wallsend Colliery, together with a Boring from the Low Main Seam.*

Approximate surface level 172 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Outset ... ..				2	0	0					58	3	6	
Yellow clay ... ..	1	1	8					Brought forward						
Blue clay ... ..	2	1	1					Thill ... ..	0	1	10			
Leafy clay ... ..	1	3	3					White post ... ..	0	3	0			
Stony clay ... ..	9	2	0					Grey metal ... ..	0	0	6			
Sand, very wet ... ..	0	0	3					White post ... ..	1	3	10			
Stony clay ... ..	2	1	2					Black metal ... ..	0	0	2			
Sand ... ..	0	0	3					Thill ... ..	0	2	1			
Stony clay ... ..	9	4	4					Blue metal ... ..	0	3	11			
				26	2	0		<b>COAL</b> ... ..	0	0	4			
Blue metal stone ... ..	0	2	0									3	3	8
	2	0	0				*	Thill ... ..	0	4	2			
Grey post ... ..	0	4	0					Grey metal ... ..	0	5	10			
Grey metal stone ... ..	2	0	0					Blue metal ... ..	2	5	6			
White post ... ..	1	1	7					Grey post and girdles	0	3	0			
White post, with water	2	2	0					White post ... ..	0	5	0			
Blue metal ... ..	0	5	10					Grey mixed post ... ..	0	2	0			
White post ... ..	0	2	3					White post ... ..	0	4	8			
Blue metal parting ... ..	0	0	5					Blue metal ... ..	0	5	9			
White post, wet ... ..	1	4	7					<b>COAL</b> ... ..	0	0	4			
Blue metal parting ... ..	0	1	0									8	0	3
White post ... ..	2	1	2					Thill ... ..	0	2	0			
Grey metal ... ..	0	0	8					White post ... ..	0	4	3			
White post ... ..	1	1	4					Grey post ... ..	0	2	6			
Grey shivery post ... ..	0	0	9					Blue metal ... ..	0	1	5			
White post ... ..	1	1	9					Post girdles ... ..	0	0	5			
<b>COAL</b> ... ..	0	0	5					Blue metal ... ..	0	0	10			
				16	5	9		Post girdles ... ..	0	0	3			
Thill ... ..	1	3	0					Blue metal to a part-						
Post girdles and metal								ing ... ..	0	3	0			
partings ... ..	1	0	9					Blue metal ... ..	0	4	11			
Blue metal ... ..	0	1	8					<i>Three-Quarter Seam—</i>						
Thill ... ..	0	0	8					<b>COAL</b> ... ..	Ft. In.					
Grey post ... ..	1	1	2						1	0				
Blue metal ... ..	1	4	3					Thill ... ..	3	0				
<b>COAL</b> ... ..	0	0	9					Blue metal ... ..	0	9				
				6	0	3		<b>COAL</b> ... ..	0	10				
White post ... ..	1	1	0								0	5	7	
Cash parting, with														
water ... ..	0	0	3									4	1	2
White post ... ..	1	2	10					Thill ... ..	0	0	6			
Grey metal ... ..	3	1	5					Grey metal ... ..	0	3	0			
Blue metal ... ..	1	0	6					Blue metal ... ..	1	2	1			
								Black metal ... ..	0	0	3			
<b>COAL</b> ... ..	Ft. In.							<b>COAL</b> ... ..	0	0	1			
Thill ... ..	1	2										1	5	11
<b>COAL</b> ... ..	0	2						White post ... ..	0	1	0			
				0	1	6		Grey scamy post	0	2	2			
				7	1	6		Blue metal ..	0	2	7			
								Black metal ... ..	0	3	4			
								<b>COAL</b> ... ..	0	0	1			
												1	3	2
Carried forward				58	3	6		Carried forward				77	5	8

\* Approximate sea level (Ordnance datum).

## No. 2,133.—WALLSEND.—CONTINUED.

Brought forward			Fs.	Ft.	In.	Fs.	Ft.	In.
			77	5	8			
Thill ...	...	0	2	0				
Blue metal ...	...	0	3	3				
<b>COAL</b> ...	...	0	0	6				
						0	5	9
Thill ...	...	0	2	0				
Grey metal ...	...	0	3	3				
Seamy post ...	...	0	3	6				
Whin girdles ...	...	0	2	0				
Blue metal ...	...	0	1	6				
Grey post and girdles	...	0	3	0				
White post ...	...	0	5	0				
Grey metal post	...	0	2	0				
Blue metal ...	...	0	2	7				
Black metal ...	...	0	2	5				
<b>COAL, splint</b> ...	...	0	0	8				
						4	3	11
Blue metal ...	...	0	5	4				
White post girdles ...	...	0	0	11				
White post ...	...	6	4	9				
<b>COAL</b> ...	...	0	0	7				
						7	5	7
Thill ...	...	0	1	6				
Grey post girdles ...	...	0	3	1				
Blue metal ...	...	0	2	9				
Grey post girdles ...	...	0	0	9				
Blue metal ...	...	0	5	5				
Post girdles ...	...	0	2	0				
Black metal ...	...	0	3	2				
<b>COAL</b> ...	...	0	0	1½				
						3	0	9½
Thill ...	...	0	1	0				
Grey metal girdles ...	...	0	4	4				
Black metal or black stone	...	2	5	5				
<b>COAL</b> ...	...	0	0	1½				
						3	4	10½
Thill ...	...	1	1	6				
Main post ...	...	10	0	7				
Blue metal, with girdles	...	2	2	0				
<i>High Main Coal Seam—</i>								
<b>COAL</b> ...	Ft. In.	6	7½					
<b>COAL, ground</b> 2	2							
						1	2	9½
						15	0	10½
Grey thill ...	...	0	3	10				
Blue stone, with whin girdles	...	4	0	2				
Grey metal stone	...	1	4	4				
<i>Metal Coal Seam—</i>								
<b>COAL</b> ...	Ft. In.	0	6					
Band ...	0	6						
<b>COAL</b> ...	2	6						
						0	3	6
						6	5	10
Carried forward			120	3	3½			
Brought forward						Fs.	Ft.	In.
						120	3	3½
Thill ...	...	0	1	6				
Grey metal, mixed with ironstone girdles	...	0	3	4				
Post girdles ...	...	0	4	0				
Black metal ...	...	2	1	7				
<b>COAL</b> ...	...	0	0	10				
Grey metal stone	...	0	0	10				
<b>COAL</b> ...	...	0	0	3				
Grey metal stone	...	0	0	10				
<b>COAL</b> ...	...	0	0	2				
						4	1	4
Thill ...	...	0	0	10				
White post ...	...	1	5	2				
Grey metal, mixed with whin girdles	...	2	4	0				
Blue metal, mixed with ironstone girdles	...	0	3	6				
<b>COAL—Stone Coal Seam</b> ...	...	0	1	4				
						5	2	10
Thill ...	...	0	1	0				
White post ...	...	2	5	0				
Whin ...	...	0	2	5				
Grey post ...	...	2	1	6				
<b>COAL, mixed with stone</b> ...	...	0	0	11				
						5	4	10
Blue metal, mixed with ironstone girdles	...	1	1	9				
<b>COAL—Yard Seam</b> ...	...	0	3	6½				
						1	5	3½
Thill ...	...	0	1	0				
Grey metal, mixed with ironstone girdles	...	1	3	4				
White post ...	...	0	5	4				
Grey metal, mixed with whin girdles	...	2	0	0				
Blue metal, mixed with ironstone girdles	...	4	2	5				
Black metal ...	...	0	0	3½				
<i>Bensham Seam—</i>								
<b>COAL, crow</b> ...	Ft. In.	0	2					
<b>COAL, top...</b>	2	8						
Splint and stone	0	6						
<b>COAL, bot-</b>								
tom ...	1	5						
						0	4	9
						9	5	1½
Total ...						147	4	8½

\* A reputed boring below the Bensham Seam is contained in Section No. 2,129.

## No. 2,134.—WALLINGTON.

TOWNSHIP OF WALLINGTON, NORTHUMBERLAND.

Sheet 70 of Ordnance Map. Lat. , Long.

*Bored 132 yards North-west of Wallington Hall Stables.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to the scaffold													
in clay ... ..				7	0	8	Brought forward	8	5	0	7	0	8
Box ... ..	1	4	6				Blue metal ... ..	0	5	0			
Stone clay ... ..	1	3	0				<b>COAL</b> , with water,						
Brown post ... ..	0	3	0				but will not cake ...	0	1	6			
Grey metal ... ..	2	0	6				In strong post, mixed				9	5	6
White and brown post,							with whin ... ..				0	0	4
with scamy partings	3	0	0										
Carried forward	8	5	0	7	0	8	Total ... ..				17	0	6

## No. 2,135.—WALLINGTON.

TOWNSHIP OF WALLINGTON, NORTHUMBERLAND.

Sheet 70 of Ordnance Map. Lat. , Long.

*First Place, in the West Plantation.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	1	0			
Stony clay, with beds of sand and water ...	2	0	0			
Whin ... ..	0	0	9			
Stony clay ... ..	0	4	3			
Whin ... ..	0	1	0			
Stony clay ... ..	2	5	0			
In whin ... ..	0	0	9			
				6	0	9
Total ... ..				6	0	9



## No. 2,136.—WALLINGTON.

TOWNSHIP OF WALLINGTON, NORTHUMBERLAND.

Sheet 70 of Ordnance Map. Lat. \_\_\_\_\_, Long. \_\_\_\_\_

*Second Place, in the Park, South-west from the Hall.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	1	6			
Stony clay ... ..	2	0	0			
Brown and blue ramble, mixed with clay and water	3	3	0			
Stony clay ... ..	9	4	6			
Clay, with freestone tumblers ... ..	1	0	0			
In stony clay ... ..	2	4	0			
				19	1	0
Total ... ..				19	1	0

## No. 2,137.—WALLINGTON.

TOWNSHIP OF WALLINGTON, NORTHUMBERLAND.

Sheet 70 of Ordnance Map. Lat. \_\_\_\_\_, Long. \_\_\_\_\_

*Bored Two Little Holes North-east from the First Hole, in the Plantation, and put off by whin tumblers.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.
Strata ... ..	1	4	6

## No. 2,138.—WALLINGTON.

TOWNSHIP OF WALLINGTON, NORTHUMBERLAND.

Sheet 70 of Ordnance Map. Lat. \_\_\_\_\_, Long. \_\_\_\_\_

*Third Place, in the Bought Leases.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	1	6			
Stony clay, with a mixture of sand, gravel, and water	1	2	3			
Grey post tumblers ... ..	0	1	0			
Stony clay ... ..	0	1	0			
Whin ... ..	0	0	3			
				2	0	0
Total ... ..				2	0	0

## No. 2,139.—WALLINGTON.

TOWNSHIP OF WALLINGTON, NORTHUMBERLAND.

Sheet 70 of Ordnance Map. Lat. , Long.

*Fourth Place, in the Bought Leases.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	1	6				Brought forward	12	1	0			
Strong clay, mixed with sand, gravel, and water ... ..	2	0	0				Brown and grey scamy post, and set away the water ... ..	0	4	0			
Blue stony clay ... ..	7	0	6				Strong brown post ... ..	1	1	0			
Whin ... ..	0	0	6				Grey and brown post, with metal partings	0	4	0			
Brown post ... ..	1	3	0								14	4	0
Blue metal ... ..	1	0	0										
Blue metal stone ... ..	0	1	6										
Carried forward	12	1	0				Total ... ..				14	4	0

## No. 2,140.—WALLINGTON.

TOWNSHIP OF WALLINGTON, NORTHUMBERLAND.

Sheet 70 of Ordnance Map. Lat. , Long.

*Fifth Place, bored in the Bought Leases. and was put off by whin tumblers.*

Approximate surface level feet above sea (Ordnance datum).

Strata	Fs.	Ft.	In.
...	3	3	4

## No. 2,141.—WALLINGTON.

TOWNSHIP OF WALLINGTON, NORTHUMBERLAND.

Sheet 70 of Ordnance Map. Lat. , Long.

*Bored in Elliot's Staple.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brown post ... ..	0	2	6			
Grey metal ... ..	0	0	6			
COAL ... ..	0	1	3			
				0	4	3
Grey metal ... ..				0	0	9
Total ... ..				0	5	0

## No. 2,142.—WALLINGTON.

TOWNSHIP OF WALLINGTON, NORTHUMBERLAND.

Sheet 70 of Ordnance Map. Lat. , Long.

*Bored Two Little Holes near the Ice-house, and put off by whin tumblers.*

Approximate surface level feet above sea (Ordnance datum).

Strata	Fs.	Ft.	In.
...	4	4	0

## No. 2,143.—WALLINGTON.

TOWNSHIP OF WALLINGTON, NORTHUMBERLAND.

Sheet 70 of Ordnance Map. Lat. , Long.

*Sixth Place, about 40 yards North-east from the Ice-house.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	6				Brought forward	8	3	4			
Blue stony clay ...	1	4	6				Brown freestone ...	0	0	8			
Gravel, with water ...	0	2	0				Stony clay ...	1	0	0			
Sand and gravel ...	1	2	0				Strong grey freestone	0	0	8			
Stony clay, with a							Stony clay ...	2	0	4			
mixture of sand ...	0	2	0				Limestone ...	0	1	2			
Blue stony clay ...	2	0	0				Stony clay ...	5	0	0			
Limestone ...	0	1	0				Stony clay, with beds						
Blue stony clay ...	1	5	0				of sand and water...	2	0	8			
Grey freestone ...	0	0	9				In whin ...	0	0	2			
Stony clay ...	0	1	3								19	1	0
Limestone ...	0	1	4										
Carried forward	8	3	4				Total ...				19	1	0

## No. 2,144.—WARDEN.

TOWNSHIP OF NETHER WARDEN, NORTHUMBERLAND.

Sheet 85 of Ordnance Map. Lat. , Long.

*Bored at Warden, near Hexham, upon Mr. Nicholas Leadbitter's Property.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and gravel ...	1	0	0			
Hard fine freestone ...	5	0	8			
Blue plate ..	5	3	4			
Freestone ...	3	0	6			
In dark blue plate ...	0	1	0			
Strata proving to be the same as Fallowfield, the						
hole was stopped. <b>COAL</b> , 5 ft. 6 in. supposed						
to lie at ...	16	0	6			
				31	0	0
Total ...				31	0	0

## No. 2,145.—WARDLEY.

TOWNSHIP OF HEWORTH, DURHAM.

Sheet 7 of Ordnance Map. Lat. 54° 57' 6", Long. 1° 31' 24".

Section of Strata sunk through at Wardley Colliery, near White Mare Pool, Durham.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	1	0				Brought forward				32	0	9½
Blue clay ... ..	1	2	0				Grey post ... ..	1	0	5½			
Dun post ... ..	1	5	0				Grey metal, and post						
Blue metal, with iron-							girdles ... ..	0	3	5			
stone and girdle							Blue metal ... ..	1	1	10			
balls ... ..	1	3	0				Black stone ... ..	0	2	0			
COAL ... ..	0	1	3				Grey metal ... ..	1	0	8			
				5	0	3	White post ... ..	0	3	0			
Grey metal, with iron-							Grey post ... ..	1	2	4			
stone balls ... ..	0	2	6				Blue metal ... ..	0	0	8			
COAL ... ..	0	1	9				White post ... ..	4	5	5			
				0	4	3	White post ... ..	4	4	1			
Fire clay ... ..	0	5	0				Strong grey metal ...	0	3	0			
Grey metal ... ..	0	2	0				Strong grey metal ...	4	3	6			
Brown whin ... ..	0	1	4				Strong white post ...	3	0	9			
Grey post, with whin	0	2	8				Grey metal ... ..	0	1	2			
Grey metal, with							Post, mixed with whin	4	3	6			
water ... ..	1	3	6				COAL ... ..	0	0	5			
Post, with metal part-											29	0	2½
ings ... ..	0	4	0				Post and whin ... ..	0	4	2			
White post, with							Blue metal ... ..	2	0	5			
water ... ..	4	4	0				COAL ... ..	0	0	10			
Blue metal ... ..	0	2	4								2	5	5
COAL ... ..	0	0	8				Black stone ... ..	0	0	9			
				9	1	6	Seggar clay ... ..	0	4	6			
Thill stone ... ..	0	4	0				White post ... ..	9	2	0			
Grey metal ... ..	1	3	5				Blue metal parting ...	0	0	5			
COAL ... ..	0	0	5				White post ... ..	4	5	0			
				2	1	10	Strong grey metal ...	2	5	0			
Thill stone ... ..	1	0	0				Grey post ... ..	1	4	0			
Grey post and girdles	3	2	8				Blue metal ... ..	0	4	0			
COAL ... ..	0	0	10				COAL ... ..	0	1	4			
				4	3	6					20	3	0
Seggar clay ... ..	0	2	0				Seggar clay ... ..	0	1	6			
Grey metal ... ..	2	2	8				Strong thill stone,						
COAL ... ..	0	0	9				with iron and post						
				2	5	5	girdles ... ..	2	0	8			
Thill stone ... ..	1	3	2				Blue metal ... ..	1	1	0			
Black stone ... ..	0	3	0				Strong grey metal,						
COAL ... ..	0	1	1				with whin girdles...	1	3	0			
				2	1	3	Dark blue metal ... ..	0	4	8			
Seggar clay ... ..	0	3	0				COAL ... ..	0	0	2			
Grey metal ... ..	1	3	0								5	5	0
Strong post ... ..	0	2	6				Seggar clay ... ..	0	2	0			
Grey metal ... ..	2	0	5				Grey metal ... ..	2	0	0			
							COAL ... ..	0	0	1			
COAL ... ..	1	4									2	2	1
Band ... ..	0	10½					Black stone ... ..	0	0	7			
COAL ... ..	0	5					Strong thill stone ...	0	4	6			
Stone band ... ..	0	1					Whin girdle ... ..	0	1	6			
COAL ... ..	1	2					COAL ... ..	0	0	8			
				0	3	10½					1	1	3
				5	0	9½							
Carried forward				32	0	9½	Carried forward				93	5	9



## No. 2,145.—WARDLEY.—CONTINUED.

Brought forward		Fs.	Ft.	In.	Fs.	Ft.	In.
		93	5	9			
Seggar clay ...	...	0	1	1			
White post ...	...	0	5	9			
Grey post ...	...	0	2	2			
Grey metal ...	...	0	2	4			
Whin ...	...	0	0	4			
Grey metal ...	...	0	4	0			
COAL ...	...	0	0	1			
				2	3	9	
Seggar clay ...	...	0	1	8			
Grey metal ...	...	0	3	0			
White post ...	...	0	3	6			
Whin ...	...	0	1	6			
White post ...	...	1	2	0			
Grey metal ...	...	0	3	10			
COAL ...	...	0	0	10			
				3	4	4	
Seggar, with ironstone	...	0	4	0			
Strong grey metal ...	...	2	0	0			
White post ...	...	0	2	5			
Blue metal ...	...	0	1	10			
COAL ...	...	0	0	3			
				3	2	6	
Dark seggar ...	...	0	0	10			
Strong grey post ...	...	3	0	2			
Whin ...	...	0	2	0			
Blue metal ...	...	0	5	8			
Splint ...	...	0	0	1			
				4	2	9	
Light seggar...	...	0	2	5			
White post ...	...	0	3	0			
Blue metal ...	...	0	0	9			
Grey post ...	...	0	2	9			
Grey metal ...	...	0	1	5			
Grey post ...	...	0	3	11			
Blue metal ...	...	0	1	2			
COAL ...	...	0	0	8			
				2	4	1	
Strong seggar ...	...	0	4	0			
White post ...	...	0	1	2			
Grey metal ...	...	0	3	4			
COAL ...	...	0	0	6			
				1	3	0	
Dark seggar, mixed	...						
with coal pipes ...	...	0	3	9			
Grey metal and whin	...	0	4	8			
Grey post ...	...	0	1	5			
Blue metal ...	...	0	1	5			
Grey post ...	...	0	0	9			
Grey metal ...	...	0	1	10			
Grey post ...	...	0	0	9			
Grey metal ...	...	0	2	5			
Post ...	...	8	2	7			
Black stone ...	...	0	2	5			
COAL ...	...	0	0	1½			
				11	4	1½	
Dark seggar ...	...	0	0	6			
Grey post ...	...	1	2	11½			
Grey metal ...	...	0	2	5			
Blue metal ...	...	1	5	4			
Carried forward		3	5	2½	124	0	3½

Brought forward		Fs.	Ft.	In.	Fs.	Ft.	In.
		3	5	2½	124	0	3½
Grey post ...	...	0	2	5			
Grey metal ...	...	0	3	5			
Grey post ...	...	1	1	0			
Blue metal ...	...	0	3	3			
COAL—Top portion of High Main Coal Seam ...		0	1	0			
				6	4	3½	
Seggar ...	...	0	1	2			
COAL ...	...	0	0	1			
				0	1	3	
Seggar ...	...	0	0	11			
Strong grey post ...	...	4	0	2			
Grey metal ...	...	0	0	2			
White post ...	...	1	0	4			
Blue metal ...	...	0	2	7			
COAL ...		Ft. In.					
Dark seggar band ...	...	0	3½				
COAL ...	...	1	9				
		0	2	2½			
		6	0	4½			
Dark seggar ...	...	0	2	3			
Coarse seggar ...	...	1	0	2			
Grey metal and grey post girdles ...	...	2	2	9			
Blue metal, with ironstone band ...	...	0	2	3			
Lower portion of High Main Coal Seam—							
COAL ...		Ft. In.					
Dark seggar ...	...	1	0				
COAL ...	...	1	8				
		0	2	9			
		4	4	2			
Dark seggar ...	...	0	5	0			
Blue metal ...	...	0	4	10			
Grey post ...	...	1	0	2			
Grey metal ...	...	0	1	3			
Grey post and metal girdles, from 8 to 10 inches thick ...	...	3	1	3			
Grey metal ...	...	0	4	6			
Blue metal ...	...	0	4	9			
COAL ...		Ft. In.					
Seggar ...	...	0	4				
COAL, coarse ...	...	2	3				
		0	2	10			
		8	0	7			
Carried forward		149	4	11½			

## No. 2,145.—WARDLEY.—CONTINUED.

Brought forward				Fs.	Ft.	In.	Fs.	Ft.	In.
				149	4	11½			
Seggar	...	...	...	0	3	2			
Strong blue metal	...	...	...	1	2	7			
Very dark metal	...	...	...	1	3	2			
COAL	...	...	...	0	0	5			
				3	3	4			
Strong dark seggar	...	...	...	0	2	8			
Strong brown post	...	...	...	0	2	0			
Blue metal	...	...	...	0	1	9			
COAL	...	...	...	0	0	1			
				1	0	6			
Coarse seggar	...	...	...	0	2	5			
Grey metal	...	...	...	3	1	7			
Grey post	...	...	...	0	2	2			
Grey metal	...	...	...	0	2	7			
Grey post	...	...	...	0	4	10			
Grey metal	...	...	...	0	1	8			
Grey post	...	...	...	0	4	9			
Whin	...	...	...	0	4	8			
White post	...	...	...	2	5	7			
Blue metal	...	...	...	0	0	1			
Ironstone	...	...	...	0	0	3			
Blue metal	...	...	...	0	4	2			
Ironstone band	...	...	...	0	0	3			
Blue metal	...	...	...	0	0	11			
COAL	...	...	...	0	1	10			
				11	1	9			
Dark seggar	...	...	...	0	2	0			
Dark blue metal	...	...	...	0	2	8			
Grey metal	...	...	...	0	4	0			
				Ft. In.					
COAL	...	...	...	0	2				
Seggar	...	...	...	0	3				
COAL	...	...	...	0	1				
Seggar	...	...	...	0	1				
COAL	...	...	...	0	5				
				0	1	0			
				1	3	8			
Seggar	...	...	...	0	2	5			
Grey post and metals	...	...	...	0	2	8			
Whin	...	...	...	0	0	6			
Grey metal and post	...	...	...	2	4	4			
girdles	...	...	...	0	0	6			
COAL	...	...	...	0	0	6			
				3	4	5			
Seggar	...	...	...	0	3	3			
Blue metal	...	...	...	0	4	3			
Grey metal	...	...	...	1	2	3			
White post	...	...	...	0	0	10			
Blue metal	...	...	...	0	0	9			
Ironstone	...	...	...	0	0	3			
Black metal	...	...	...	0	0	8			
Grey post	...	...	...	0	5	3			
Blue metal	...	...	...	1	4	9			
Grey post	...	...	...	2	1	6			
Grey metal	...	...	...	1	0	2			
Blue metal	...	...	...	0	3	2			
Carried forward	9	3	1	171	0	7½			

Brought forward				Fs.	Ft.	In.	Fs.	Ft.	In.
				9	3	1	171	0	7½
<i>Maudlin Seam—</i>									
				Ft. In.					
Black stone	...	...	...	0	2				
COAL, top	...	...	...	2	10				
Band seggar	...	...	...	0	9				
COAL	...	...	...	1	3				
Band	...	...	...	0	0½				
COAL	...	...	...	0	8				
				0	5	8½			
				10	2	9½			
Seggar	...	...	...	0	1	0			
White post	...	...	...	0	1	10			
Blue metal, with beds	...	...	...						
and balls of iron-	...	...	...						
stone	...	...	...	2	0	5			
COAL	...	...	...	0	0	1			
				2	3	4			
Strong dark seggar	...	...	...	0	3	2			
Grey post	...	...	...	2	1	10			
Blue metal	...	...	...	0	2	3			
COAL	...	...	...	0	0	8			
				3	1	11			
Coarse seggar	...	...	...	0	3	8			
Grey metal	...	...	...	1	4	6			
Blue metal	...	...	...	0	1	6			
COAL	...	...	...	0	1	7			
				2	5	3			
Dark seggar	...	...	...	0	2	0			
Grey post	...	...	...	0	2	0			
White post	...	...	...	1	1	2			
Blue metal	...	...	...	1	2	10			
COAL—5¼ Seam	...	...	...	0	2	11			
				3	4	11			
Seggar clay	...	...	...	0	1	10			
Grey post	...	...	...	3	1	0			
White post, mixed	...	...	...						
with whin	...	...	...	1	0	6			
Grey post	...	...	...	1	3	9			
White post, with whin	...	...	...	0	1	8			
Grey post, with white	...	...	...						
post girdles	...	...	...	2	4	8			
Blue metal	...	...	...	0	3	0			
<i>Hutton Seam—</i>									
				Ft. In.					
Splints	...	...	...	0	4				
COAL	...	...	...	3	4				
				0	3	8			
				10	2	1			
Light seggar	...	...	...	0	2	2			
Dark seggar	...	...	...	0	4	5			
COAL, black shade	...	...	...	0	1	5			
Dark seggar	...	...	...	0	2	6			
Grey metal	...	...	...	0	2	9			
Carried forward	2	1	3	204	2	11			

## No. 2,145.—WARDLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	1	3	204	2	11	Brought forward	3	5	7	204	2	11
Strong white post ...	1	1	0				Strong grey metal, with						
Grey metal ...	0	2	10				grey post girdles ...	1	2	2			
Seggar ...	0	0	6								5	1	9
Carried forward	3	5	7	204	2	11	Total ...				209	4	8

## No. 2,146.—WARKWORTH.

TOWNSHIP OF WARKWORTH, NORTHUMBERLAND.

Sheet 46 of Ordnance Map. Lat. , Long.

*An Account of Borings at Warkworth Harbour for Water, by Edward Wilkinson.  
No. 1 in Well at Gas-works. December 22nd, 1884.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Fire clay ...	0	2	5				Brought forward	3	0	0	1	1	6½
Blue metal ...	0	4	10				White clay ...	0	1	3			
COAL, slate ...	0	0	3½				Whin ...	0	0	11			
				1	1	6½	Grey post ...	0	2	10			
Grey metal and girdles	1	1	0				Grey metal and girdles	1	5	11			
Hard grey post ...	1	5	0								5	4	11
Carried forward	3	0	0	1	1	6½	Total ...				7	0	5½

## No. 2,147.—WARKWORTH.

TOWNSHIP OF WARKWORTH, NORTHUMBERLAND.

Sheet 46 of Ordnance Map. Lat. , Long.

*No. 2 Borehole, against the Harbour Office. April 20, 1885.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	1	3	0				Brought forward	0	3	0	13	4	9
Brown clay ...	0	3	0				Grey metal ...	0	2	3			
Grey metal ...	1	3	0				White post ...	1	0	0			
COAL ...	0	1	10				Hard grey metal ...	0	5	0			
				3	4	10	Grey metal and girdles	0	2	6			
Grey post ...	0	5	0				Hard light post and						
COAL ...	0	1	2				water ...	2	0	9			
				1	0	2	Hard light post ...	3	1	9			
Fire clay ...	0	3	0				COAL ...	0	0	4			
Grey and blue metal...	1	5	6								8	3	7
Grey metal and girdles	3	0	6				Dark and grey metal	1	0	8			
Grey post ...	0	4	6				Blue metal ...	0	5	6			
Grey metal ...	0	3	6				Grey metal and girdles	0	5	8			
White post ...	1	0	0				Grey post ...	1	1	0			
Grey metal ...	0	4	0				Grey metal ...	0	2	6			
Blue metal ...	0	1	6				Hard white post ...	1	5	0			
COAL ...	0	1	3				COAL ...	0	2	2½			
				8	5	9					6	4	6½
Fire clay ...	0	2	6				Carried forward				29	0	10½
Hard post girdles ...	0	0	6										
Carried forward	0	3	0	13	4	9							

## No. 2,147.—WARKWORTH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				29	0	10½	Brought forward	1	4	6	29	0	10½
Fire clay ...	0	0	10				White post ...	0	3	0			
Very hard post ...	1	3	4				Very hard whin (May						
Open panel, with							5th, 1885) ...	0	0	11			
water ...	0	0	4								2	2	5
Carried forward	1	4	6	29	0	10½	Total ...				31	3	3½

## No. 2,148.—WARKWORTH.

TOWNSHIP OF WARKWORTH, NORTHUMBERLAND.

Sheet 46 of Ordnance Map. Lat. , Long.

*No. 3 Borehole, at South end of Cottages.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Tumbling stone and							Brought forward	6	1	7			
sand ...	1	4	0				Coal pipe ...	0	0	2½			
Grey metal ...	0	5	0				Fire clay ...	0	5	3			
White post ...	1	5	0				White clay and post...	0	3	0			
Blue metal ...	0	0	6				Blue and grey metal						
Post and clay ...	0	2	0				girdles ...	1	2	6			
Good clay ...	0	3	6				White post ...	0	0	6			
Whin ...	0	0	7								9	1	0½
Grey post ...	0	5	0				Total ...				9	1	0½
Carried forward	6	1	7										

## No. 2,149.—WARKWORTH.

TOWNSHIP OF WARKWORTH, NORTHUMBERLAND.

Sheet 46 of Ordnance Map. Lat. , Long.

*No. 4 Borehole, against Link Cottages.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sand and clay ...	0	3	6				Brought forward	1	0	8	6	1	4
Brown clay ...	0	2	0				Dark grey post ...	1	2	0			
COAL, soft ...	0	1	10				Dark metal ...	0	5	0			
				1	1	4	Blue metal ...	0	4	0			
Dark clay ...	0	2	0				Black stone and coal	0	1	0			
Grey post and metal	1	5	8				Clay and post ...	0	2	0			
Hard blue post ...	2	4	0				Dark metal ...	0	4	0			
COAL ...	0	0	4				Grey post ...	1	1	0			
				5	0	0	White post ...	1	1	0			
Fire clay ...	0	4	8								7	2	8
Post and clay ...	0	2	0				Total ...				13	4	0
Carried forward	1	0	8	6	1	4							



## No. 2,150.—WASHINGTON.

TOWNSHIP OF WASHINGTON, DURHAM.

Sheet 7 of Ordnance Map. Lat.

, Long.

Bored by T. Rawling on Washington Ground, about 100 yards East of Oxclose House.  
June 11th, 1760.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and sandy clay ...	0	3	0				Brought forward				45	4	5
Strong clay, with a siping of water near the bottom ...	10	3	0				Grey metal, with gir- dles and catheads...	4	3	6			
Strong clay, mixed with ramble ...	1	0	0				<b>COAL</b> ...	0	2	0			
Soft black metal ...	0	0	5								4	5	6
<b>COAL</b> , soft...	0	0	6				Grey metal ...	1	4	0			
				12	0	11	<b>COAL</b> ...	0	1	5			
Grey scamy metal ...	1	1	0								1	5	5
Grey metal stone ...	0	5	0				Grey metal ...	3	3	0			
Soft grey scamy post, with blue scamy partings ...	1	4	0				Strong white post ...	0	1	6			
Strong white post ...	0	1	0				Whin ...	0	2	9			
White and grey post, with blue scamy partings, <i>coal pipes</i> , and sulphur with water ...	13	3	0				Grey metal stone ...	0	4	0			
<b>COAL</b> ...	0	0	11				Whin ...	0	0	10			
				17	2	11	Strong blue grey metal stone, with grey post girdles near the bottom ...	3	5	6			
Soft black metal, with a mixture of <i>coal</i> ...	0	1	6				Thready grey post, settled the water ...	0	2	6			
Grey metal ...	3	3	0				Strong grey metal ...	2	3	0			
Black grey metal stone	3	2	6				Black metal ...	0	0	6			
Grey post, with scamy partings ...	3	0	0										
Grey scamy metal stone ...	0	5	3				<b>COAL</b> , with brown scames	2	0				
White post, with water	4	3	0				Grey metal ...	0	5				
Grey metal, scared with <i>coal</i> ...	0	0	6				<b>COAL</b> ...	1	5				
<b>COAL</b> ...	0	0	2				Grey stone ...	0	3				
Black metal, mixed with <i>coal</i> ...	0	0	8				<b>COAL</b> ...	2	5				
<b>COAL</b> , coarse at the top ...	0	2	0							1	0	6	
				16	0	7					13	0	1
Carried forward							Black metal ...	0	0	1			
							Grey metal ...	0	2	9			
											0	2	10
							Total ...				66	0	3

## No. 2,151.—WASHINGTON.

TOWNSHIP OF WASHINGTON, DURHAM.

Sheet 7 of Ordnance Map. Lat. , Long.

*Bored in the Second Place in Washington Grounds, in the South-east part of the Old Engine Field. March, 1761.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	1	0				Brought forward	15	1	11	30	5	4
Brown and blue stony clay ... ..	1	0	0				Black metal, scared with coal ...	0	0	5			
Strong stony clay, with whin tumblers	2	0	0				<i>Five-Quarter Seam—</i>						
Strong stony clay ...	8	5	0				<b>COAL</b> , foul,						
				12	0	0	with brassy scare bands	Ft. In.					
Soft grey metal ...	2	5	3				0	5					
<b>COAL</b> , foul at the bottom ... ..	0	0	9				Grey metal, scared with coal ...	0	4				
				3	0	0	<b>COAL</b> , foul	0	5				
Grey metal, with post girdles ... ..	0	5	3				A brassy lump or girdle ...	0	1				
<b>COAL</b> , foul ... ..	0	0	4				<b>COAL</b> ..	1	8				
				0	5	7				0	2	11	
Grey metal ... ..	1	1	6							15	5	3	
Grey and brown gulety post, with blue cashy partings and sulphur ... ..	0	5	6				Grey metal ... ..	1	0	0			
Blue grey scamy stone	1	4	0				White post ... ..	0	2	0			
White and grey scamy post, with open gulleets and water...	0	5	3				Grey metal stone, with some black scames near the bottom ...	3	0	9			
Blue metal ... ..	0	1	6				<b>COAL</b> ... ..	0	1	3			
White and grey post, with water ... ..	3	3	8							4	4	0	
Blue grey seamy stone	0	4	6				Grey metal ... ..	2	0	0			
Grey coal <i>pipy</i> post...	0	3	0				Black metal ... ..	0	0	8			
Grey and white post	0	3	0				Grey metal, with girdles or lumps ...	0	5	6			
Grey post, with black scames ... ..	1	0	0				Strong white post ...	0	2	0			
Grey and white post	3	3	0				Grey metal, with a strong girdle at the bottom ... ..	0	0	9			
<b>COAL</b> ... ..	0	0	10				<b>COAL</b> , with water or sulphur ... ..	0	0	8			
				14	5	9				3	3	7	
Blue metal, with scares of coal ... ..	0	1	6				Grey metal, with girdles or lumps ...	0	4	10			
Blue grey metal, with girdles or lumps ...	2	1	6				Strong grey metal post, or grey post...	8	2	0			
Blue grey metal stone	4	5	0				Grey metal stone ...	1	0	0			
Strong girdle stone ...	0	3	0				Blue and black metal	0	0	6			
Blue metal stone ...	1	2	0				<i>Main Coal Seam—</i>						
Grey scamy post ...	0	3	0				<b>COAL</b> ... ..	Ft. In.					
Strong white post, mixed with whin ...	0	1	2				2	1					
Black stone ... ..	0	0	9				Grey and blue metal ...	0	4				
Strong white post, mixed with whin girdles and scamy partings and water in some places ...	5	2	0				<b>COAL</b> ... ..	1	8				
							Blue metal ... ..	0	1				
Carried forward	15	1	11	30	5	4	<b>COAL</b> ... ..	2	6				
										1	0	8	
							In grey metal ...			11	2	0	
										0	0	10	
							Total ... ..			66	3	0	

No. 2,152.—WASHINGTON.

TOWNSHIP OF WASHINGTON, DURHAM.

Sheet of Ordnance Map. Lat.

Long.

*Third Place in Washington Ground, 7 chains to the West and 2 chains to the North,  
from an Old Pit in the South-east corner. January 25th, 1762.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.		Fs.	Ft.	In.
Soil and soft brown clay ... ..	0	2	0											
Stony clay ... ..	5	2	0											
Stony clay, mixed with gravel ... ..	0	1	6											
Stony clay ... ..	3	1	6											
				9	1	0								
Grey scamy stone ...	1	3	0											
Grey and blue metal, with a strong girdle in it ... ..	3	3	0											
Black metal, mixed with coal at bottom	0	1	2											
Grey metal ... ..	0	2	2											
COAL ... ..	0	1	0											
				5	4	4								
Black and blue slaty metal ... ..	0	2	6											
COAL ... ..	0	0	9											
				0	3	3								
White and grey metal, with girdles or cat-heads ... ..	6	0	0											
Grey metal stone ...	1	0	0											
COAL, foul ... ..	0	0	6											
Black metal, scared with coal ... ..	0	0	2											
				7	0	8								
Grey scamy metal ...	0	3	0											
Strong white post ...	0	3	9											
White and grey scamy stone, with post girdles and water...	2	5	0											
Blue metal ... ..	1	1	6											
Grey metal and metal stone, with post girdles at bottom...	2	5	0											
Strong white post ...	4	5	3											
COAL ... ..	0	0	10											
				13	0	4								
Grey metal ... ..	0	1	2											
Grey metal stone, with post girdles ...	1	1	0											
Carried forward	1	2	2	35	3	7								
Brought forward	1	2	2	35	3	7								
White and grey post	3	5	0											
Grey scamy stone, with whin girdles	2	0	0											
COAL, foul ... ..	0	0	6											
Soft grey metal ...	0	1	2											
COAL, hard splinty	0	2	8											
White post ... ..	1	3	0											
COAL ... ..	0	2	3											
Grey and blue metal	0	1	6											
COAL ... ..	0	0	5											
Hard brassy girdle ...	0	0	2											
COAL ... ..	0	1	4											
Soft grey metal, with scales of coal ...	0	1	3											
COAL—3/4 Seam ...	0	0	5											
Grey metal ... ..	0	1	0											
Strong grey metal stone, with water...	1	2	6											
Strong white post girdle, with water	0	1	4											
Grey metal ... ..	0	0	6											
COAL ... ..	0	0	6											
Grey metal ... ..	0	2	4											
Black metal ... ..	0	0	8											
COAL ... ..	0	0	5											
Grey metal ... ..	0	3	0											
Strong white post ...	0	1	2											
Grey metal ... ..	0	1	8											
COAL, with brassy lumps and white sparkles ... ..	0	1	4											
Into blue metal.														
Total ... ..				49	5	10								

## No. 2,153.—WASHINGTON.

TOWNSHIP OF WASHINGTON, DURHAM.

Sheet 7 of Ordnance Map. Lat. \_\_\_\_\_

, Long. \_\_\_\_\_

*Bored in the Fourth Place at Washington, on the Common, about 200 yards from  
John Burns' House. June 8th, 1762.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Stony clay, with beds of sand and water...	5	3	0				Brought forward	3	3	0	18	2	11
Stony clay, with a mixture of sand ...	0	3	0				White post, with water	1	1	0			
Stony clay, with large tumblers ...	1	1	0				Grey metal stone, with post girdles and metal partings ...	4	2	0			
Brown gravel or ramble, with water which rose to the top ...	0	5	0				White and grey post	4	0	0			
Soft grey metal, with post girdles ...	0	2	8				<b>COAL</b> ...	0	0	9			
<b>COAL</b> , with water...	0	0	7								13	0	9
				8	3	3	Soft grey metal ...	0	1	6			
Black scamy stone ...	0	5	0				Grey metal ...	1	3	0			
Grey metal ...	1	1	9				Grey metal stone, with strong girdles ...	6	2	0			
Strong grey metal stone ...	0	3	9				Grey and white post, with strong girdles, <i>coal pipy</i> partings, sulphur, and water	6	1	6			
Grey metal, with gir- dles or catheads ...	4	5	0				Blue grey metal stone, with girdles and water ...	5	0	0			
<b>COAL</b> ...	Ft. In. 0	7					Grey metal ...	0	1	6			
Blue metal ...	0	1					Grey metal stone ...	0	5	0			
<b>COAL</b> ...	0	2					Strong white and grey post ...	0	5	0			
				0	0	10	Strong grey metal stone, with post girdles ...	1	5	3			
				7	4	4	<b>COAL</b> ...	0	1	3			
Soft blue and brown scamy metal ...	0	1	0								23	2	0
Grey post ...	0	1	0				Soft blackish grey metal, with brown scames ...	0	2	0			
Whin, and set away the water at the bottom ...	0	2	0				Strong white post, with whin at the top ...	0	4	0			
Brown ramby stone	0	0	9				Grey metal stone, with girdles or lumps ...	0	4	6			
White and brown post	0	3	6				<b>COAL</b> ...	0	0	11			
Grey metal, with girdles ...	0	4	9								1	5	5
<b>COAL</b> , hard brassy	0	0	4				Soft blue metal ...	0	0	4			
				2	1	4	Strong grey metal stone, with post girdles ...	7	3	0			
Soft grey metal, with water ...	0	0	9				Whin ...	0	2	0			
Grey metal ...	2	0	0										
Strong white post	0	5	9										
Blue grey metal stone	0	2	6										
Carried forward	3	3	0	18	2	11	Carried forward	7	5	4	56	5	1



## No. 2,153.—WASHINGTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	7	5	4	56	5	1	Brought forward	14	5	11	56	5	1
Strong white post ...	0	3	0				<i>Main Coal Seam—</i>						
Strong grey metal								Ft.	In.				
stone ...	4	3	6				COAL ...	2	0				
A mixture whin girdle	0	1	2				Soft grey						
Grey metal stone, with							metal ...	1	1				
hard girdles or							COAL ..	0	6				
lumps ...	1	4	6				COAL, hard.						
Soft black metal ...	0	0	5				foul ...	0	1				
							COAL ...	0	11				
							Blue metal	0	1				
							COAL ...	2	6				
										1	1	2	
Carried forward	14	5	11	56	5	1	In grey metal ...				16	1	1
											0	1	0
							Total ...				73	1	2

## No. 2,154.—WASHINGTON.

TOWNSHIP OF WASHINGTON, DURHAM.

Sheet 7 of Ordnance Map. Lat. 54° 54' 32", Long. 1° 3' 20".

*Bored at Washington Colliery, in the C Pit. July, 1769.*

Approximate surface level 300 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to the scaffold				13	4	3	Brought forward				41	4	3
Box ...	2	3	0				Soft blue grey metal	1	5	9			
Brown post ...	1	1	6				COAL ...	0	1	8			
COAL, foul ...	0	0	9								2	1	5
				3	5	3	Grey metal, with gir-						
Grey metal stone, with							dles ...	1	0	0			
girdles ...	12	0	9								5	0	4
Grey metal, with water	1	3	0				Grey metal stone }				5	0	5
Whin mixture ...	0	3	0								0	3	0
Grey metal stone, with							Whin mixture ...	0	3	0			
girdles ...	1	3	9				Grey metal ...	2	5	6			
Black metal ...	0	1	3										
COAL ...	0	2	3					Ft.	In.				
				16	2	0	COAL ...	2	3				
Grey metal, with gir-							Stone ...	0	2				
dles ...	2	0	9				COAL ...	1	7				
COAL ...	0	1	0				Stone ...	0	1				
				2	1	9	COAL ...	2	6				
Soft white metal ...	1	0	0							1	0	7	
Grey metal stone, with											15	3	10
water ...	4	1	0				Soft black grey metal	0	2	0			
COAL ...	0	2	0				Strong grey metal						
				5	3	0	stone, with hard						
Carried forward	41	4	3				girdles ...	1	0	0			
							Grey metal stone ...	1	3	0			
							Carried forward	2	5	0	59	3	6

\* Approximate sea level (Ordnance datum).

## No. 2,154.—WASHINGTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.			
Brought forward	2	5	0	59	3	6	Brought forward	73	4	8						
Soft grey metal partings, with whin girdles and catheads...	5	3	0				Grey metal, with cat-heads ...	1	0	0						
<b>COAL</b> ...	2	0					Grey metal stone, with post girdles ...	1	0	9						
<b>COAL</b> , soft, with danty partings ...	0	9					<b>COAL</b> ...	0	4							
<b>COAL</b> ...	1	5					Blue metal ...	0	3							
Grey metal ...	0	3					<b>COAL</b> ...	0	2							
<b>COAL</b> ...	0	7					Blue metal ...	0	4							
			0	5	0		<b>COAL</b> ...	0	5							
					9	1	0	Stone ...	0	3						
Black metal, mixed with coal ...	0	0	1				<b>COAL</b> ...	1	2							
Grey metal, with hard girdles or lumps ...	4	4	9							0	2	11				
<b>COAL</b> ...	0	3					Grey metal stone ...	1	1	0			2	3	8	
A hard girdle ...	0	2					Whin ...	0	2	2						
<b>COAL</b> ...	0	11					Grey metal stone, with post girdles ...	2	0	0						
			0	1	4		In <b>COAL</b> (15 inches), supposed to be the	0	3	9				4	0	11
					5	0	2									
Carried forward					73	4	8	Total ...					80	3	3	

## No. 2,155.—WASHINGTON.

TOWNSHIP OF WASHINGTON, DURHAM.

Sheet 7 of Ordnance Map. Lat. , Long.

*Sunk at Washington Colliery, in the G Pit.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay, with stones ...	14	0	0				Brought forward	6	3	6	32	3	6
Ramble stones ...	2	3	0				<b>COAL</b> (probably High Main on Tyne) ...	0	0	10			
Post ...	1	0	0								6	4	4
Black jointy stone ...	3	1	0				Soft blue stone ...	1	4	2			
Post, with 18 inches of whin in the middle ...	7	5	0				Strong grey metal ...	1	0	0			
Blue stone, with a griming of coal ...	2	0	0				Strong post ...	3	0	0			
Grey metal ...	2	0	0				Scamy post ...	0	2	0			
<b>COAL</b> ...	0	0	6				Strong post ...	4	0	0			
				32	3	6	Black stone ...	0	3	0			
Soft blue stone ...	1	5	6				<b>COAL</b> ...	0	1	8			
Post ...	4	4	0								10	4	10
Carried forward	6	3	6	32	3	6	Thill ...	0	3	0			
							Whin ...	0	1	6			
							Carried forward	0	4	6	50	0	8

## No. 2,155.—WASHINGTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	0	4	6	50	0	8
Blue stone ...	0	2	0			
Strong post ...	0	2	0			
Blue metal ...	1	0	0			
COAL ...	0	1	7			
				2	4	1
Grey metal ...	1	3	0			
COAL ...	0	0	9			
				1	3	9
Grey metal ...	1	0	0			
Post, with 2 feet of whin in the middle	4	0	0			
Blue metal ...	1	0	0			
Whin ...	0	4	0			
Post ...	0	2	0			
Blue metal ...	5	3	0			
COAL—High Main Seam ...	1	0	0			
				13	3	0
Sunk further:—						
Thill ...	0	2	0			
Black stone, with whin girdles ...	1	4	8			
Carried forward	2	0	8	67	5	6

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	0	8	67	5	6
Whin, mixed with post	0	0	10			
White post ...	0	5	10½			
Grey girdly post ...	1	0	8			
Grey and white post, with partings ...	2	2	0			
Whin ...	0	2	8			
Grey girdly post ...	1	4	8			
Whin ...	0	1	6			
Brown post ...	0	4	0			
Black and grey metal	0	2	0			
Maudlin Seam—						
	Ft.	In.				
COAL, top...	2	7				
COAL, splint	0	4½				
COAL, ground	1	3½				
Band ...	0	1½				
COAL, bot- tom ...	0	9				
				0	5	1½
				11	0	0
Total ...				78	5	6

## No. 2,156.—WASHINGTON.

TOWNSHIP OF WASHINGTON, DURHAM.

Sheet 7 of Ordnance Map. Lat.

Long.

*Sunk in the Staple in the H Pit, Washington New Colliery, from the High Main Seam.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Thill ...	0	1	2				Brought forward	9	3	9			
Black stone, with whin girdles ...	1	1	0				Grey metal ...	0	1	6			
White post, the top shivery, the bottom whinny ...	1	1	7				Black stone ...	0	0	3			
Black stone ...	0	3	7				COAL— <i>Maudlin</i> <i>Seam</i> ...	0	5	0			
Blue stone, scared with whin and ironstone	2	4	5								10	4	6
Girdly and scamy post	1	3	0				Thill ...	0	1	0			
Solid post, with whin at bottom ...	0	4	6				Grey post ...	1	0	0			
Blue stone, with strong post girdles	1	2	6				Grey metal stone	1	4	0			
							Blue stone ...	0	2	0			
Carried forward	9	3	9				COAL ...	0	1	2			
											3	2	2
							Thilly stone ...	0	1	0			
							Carried forward	0	1	0	14	0	8

## No. 2,156.—WASHINGTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.			
Brought forward	0	1	0	14	0	8		Brought forward			19	4	11			
White post and blue metal	...	...	...	1	0	6		Grey post	...	...	1	0	0			
COAL	...	...	...	0	0	9		Blue metal and whin	2	4	0					
							1	2	3							
Grey post	...	...	...	0	3	0		Low Main Seam—								
Blue metal, with post girdles	...	...	...	3	3	0		COAL	...	Ft. In.	3	4				
COAL	...	...	...	0	2	0		COAL, bot- tom	...	0	4½					
							4	2	0			0	3	8½		
Carried forward				19	4	11							4	1	8½	
														24	0	7½

## No. 2,157.—WASHINGTON.

TOWNSHIP OF WASHINGTON, DURHAM.

Sheet 7 of Ordnance Map. Lat. 54° 54' 14", Long. 1° 31' 46".

*Account of the Strata sunk through in the I Pit, in Spennymoor Close, Washington New Colliery. Begun October 1st, 1818.*

Approximate surface level 228 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
From surface to stone head ... ..				10	2	11	Brought forward	15	1	2	19	4	7½
Soft blue metal ... ..	0	1	0				White post ... ..	0	2	0			
Soft grey metal, with ironstone girdles ...	5	0	2				<b>COAL</b> ... ..	0	1	4			
<b>COAL</b> ... ..	0	0	5	5	1	7					15	4	6
Soft blue and grey metal, with ironstone girdles ...	2	3	6				Black and grey metal, with splinty coal partings ... ..	1	1	0			
Strong white post, with whin girdles...	0	4	5				Strong grey metal stone ... ..	0	1	8			
Soft grey metal ... ..	0	0	2½				Strong black and grey metal {	1	1	2½			*
White post ... ..	0	0	9					5	1	1½			
Grey metal ... ..	0	2	10				Black and white post	3	0	0			
<b>COAL</b> ... ..	0	0	5				Black metal stone ...	0	0	6½			
				4	0	1½	<b>COAL—Metal Coal Seam</b> ... ..	0	2	2			
Grey metal ... ..	0	3	10								11	1	8½
Grey metal ... ..	3	1	10				Soft blue metal ... ..	0	1	3			
Strong white post ...	9	3	8				Grey metal ... ..	1	5	0			
Grey slaty post, with partings ... ..	1	3	0				Grey metal, with post girdles ... ..	0	2	6			
Grey metal stone ...	0	0	10				Grey metal stone ...	1	0	6			
							Grey post ... ..	1	2	6			
Carried forward	15	1	2	19	4	7½	Carried forward	4	5	9	46	4	10

\* Approximate sea level (Ordnance datum).



## No. 2,157.—WASHINGTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	4	5	9	46	4	10	Brought forward	7	2	9	56	1	3
Grey metal stone ...	0	3	0				Strong post girdle ...	0	0	10			
<b>COAL</b> ...	0	1	6				Grey metal ...	0	5	2			
				5	4	3	Whin ...	0	0	11			
Grey metal ...	1	2	0				Strong post girdle ...	0	1	5			
Blue metal ...	0	0	10				Grey metal ...	2	1	10			
Grey post ...	2	0	4				Strong girdles, with						
<b>COAL</b> , splinty ...	0	1	0				brown post and						
				3	4	2	whin ...	0	1	2			
Grey metal ...	1	0	0				Blue metal, with iron-						
Black stone ...	3	2	0				stone girdles ...	2	0	0			
Whin ...	0	3	0				<b>COAL</b> — <i>Main Coal</i>						
Post girdles ...	0	1	0				<i>Seam</i> ...	1	0	8			
Grey metal ...	2	2	9								14	2	9
Carried forward	7	2	9	56	1	3	Total ...				70	4	0

## No. 2,158.—WASHINGTON.

TOWNSHIP OF WASHINGTON, DURHAM.

Sheet 7 of Ordnance Map. Lat.

Long.

*Boring made from the Low Main or Hutton Seam to the Beaumont Seam at New Washington Colliery.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Thill ...	0	2	0				Brought forward	23	1	9½			
Grey post, with whin							Marl ...	0	3	0			
girdles ...	4	4	0				Whin ...	0	0	5			
Black stone ...	0	1	0				Blue metal ...	0	2	0			
Grey metal ...	0	5	9				Grey metal ...	0	4	0			
White post, with whin							Blue metal ...	0	3	0			
and sulphur ...	2	1	6				Grey post ...	0	3	0			
Whin ...	0	3	7				Whin ...	0	0	5			
White post ...	1	3	0				White post, with whin						
girdles ...							girdles ...	0	5	2			
with partings ...	1	3	0				Black stone, mingled						
Blue stone, with post							with coal ...	0	1	4			
girdles ...	4	0	5				Post ...	1	2	0			
Black stone, with							Blue metal ...	0	1	0			
whin girdles ...	2	2	10				Post ...	0	3	0			
White thill, with cat-							Grey metal ...	0	5	0			
heads ...	0	3	0				Post, with whin gir-						
Grey post, with whin							dles ...	1	2	0			
girdles and sulphur	1	5	6				Black stone ...	0	2	0			
Whin girdle ...	0	1	7½				<b>COAL</b> — <i>Beaumont</i>						
Grey metal ...	0	1	0				<i>Seam</i> ...	0	2	0½			
Grey post ...	1	0	0								31	5	2
Blue metal ...	0	2	7				Bored into thill ...				0	1	2½
Black sand ...	0	3	0										
Carried forward	23	1	9½				Total ...				32	0	4½

## No. 2,159.—WEST AUCKLAND.

TOWNSHIP OF WEST AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. \_\_\_\_\_

, Long. \_\_\_\_\_

*Account of a Boring at West Auckland, about 20 yards to the East from the Hole formerly bored. July 15th, 1765.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	1	3				Brought forward	1	5	6	6	0	6
Stony clay, mixed with sand ... ..	0	2	0				Grey metal stone, with brown scames	3	0	0			
Sand and gravel, with water and a mixture of gravelly clay near the bottom ...	1	4	9				Grey metal stone ...	0	5	0			
Blue stony clay ...	2	4	0				<b>COAL</b> ...						
				5	0	0	<b>COAL</b> , splinty with water	1	10				
Grey metal stone ...	0	5	9				<b>COAL</b> , with much water at bottom...	2	7				
Black metal ...	0	0	6							0	5	2	
<b>COAL</b> ...	0	0	3										
				1	0	6							
Brown and grey metal stone ...	0	3	0				In strong stone ...				6	3	8
Brown post, with partings and water ...	1	2	6								0	0	3
Carried forward	1	5	6	6	0	6	Total ...				12	4	5

## No. 2,160.—WEST AUCKLAND.

TOWNSHIP OF WEST AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. \_\_\_\_\_

, Long. \_\_\_\_\_

*Second Place, bored near West Auckland, in the North Field, about 200 yards to the East from the First Place.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	2	0				Brought forward	2	1	6			
Brown stony clay, with a mixture of sand ... ..	0	2	0				Blue metal stone, with post girdles	2	1	6			
Sandy gravel ...	1	0	0				Blue metal stone, with brown scames and scares of coal near the bottom ...	1	4	0			
Sandy gravel, with water ...	0	3	0				<b>COAL</b> , foul ...	0	1	10			
Blue stony clay ...	0	0	6								6	2	10
Carried forward	2	1	6				Carried forward				6	2	10

## No. 2,160.—WEST AUCKLAND.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				6	2	10	Brought forward	2	2	8	16	0	4
Grey metal stone ...	1	0	0				Strong grey metal, with post girdles and water near the top ...	2	4	9			
Blue metal stone, with brown scames, post girdles, and water	3	3	0				Blue grey metal ...	1	1	0			
Grey metal stone ...	0	1	6				Soft black metal ...	0	0	1			
<b>COAL</b> , with water...	0	0	6										
				4	5	0							
Grey metal and metal stone ...	4	4	0				<b>COAL</b> ...	0	10				
Black slaty metal ...	0	0	4				<b>COAL</b> , hard, splinty, coarse	0	2				
<b>COAL</b> ...	0	0	2				<b>COAL</b> , with water, and rather splinty	1	0				
				4	4	6	<b>COAL</b> ...	3	4				
Grey metal stone ...	1	2	0							0	5	4	
Grey gullety stone, with much water which rose to the top	0	3	0								7	1	10
Grey thready post, with water ...	0	3	8				In whin mixture ...				0	0	3
Carried forward	2	2	8	16	0	4	Total ...				23	2	5

## No. 2,161.—WEST AUCKLAND.

TOWNSHIP OF WEST AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.

, Long.

*Third Place bored near West Auckland, about 200 yards to the North from the Second.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward				8	0	3
Brown stony clay ...	1	2	0				Grey metal ...	1	0	0			
Sand and gravel, with water ...	0	2	0				Grey post ...	0	4	6			
Sand and clay ...	0	2	0				Grey metal ...	0	1	6			
Brown stony clay ...	0	5	0				Grey post ...	0	3	0			
Sand ...	0	1	0				Grey metal ...	1	5	0			
Brown stony clay ...	0	2	0				<b>COAL</b> ...	0	0	6			
Ramble, with water...	1	1	0								4	2	6
Grey metal stone ...	1	2	0				Grey metal ...	2	0	0			
Strong white post ...	0	1	0				Grey post, with water	1	3	8			
Grey scamy metal ...	1	3	0				Grey metal ...	1	1	7			
<b>COAL</b> , with small black scames ...	0	2	3				Black and blue metal	0	0	6			
				8	0	3	<b>COAL</b> ...	0	0	3			
											5	0	0
Carried forward				8	0	3	Carried forward				17	2	9

## No. 2,161.—WEST AUCKLAND.—CONTINUED.

Brought forward			Fs.	Ft.	In.	Fs.	Ft.	In.
			17	2	9			
Grey metal ...	...	...	0	5	3			
Grey post ...	...	...	0	1	0			
Strong white post,	...	...	1	1	0			
with water	...	...	0	3	0			
Strong white post,	...	...	0	4	0			
mixed with whiu	...	...	3	4	0			
Strong white post,	...	...	0	0	6			
with water	...	...						
Grey metal and metal	...	...						
stone, with girdles	...	...						
Blue grey metal	...	...						
Carried forward			7	0	9	17	2	9

Brought forward			Fs.	Ft.	In.	Fs.	Ft.	In.
			7	0	9	17	2	9
Soft black me-	...	...						
tal	...	...	0	1				
COAL	...	...	0	9				
Black stone,	...	...						
mixed with	...	...						
coal	...	...	0	2				
COAL, hard	...	...						
splinty	...	...	0	4				
COAL	...	...	0	8				
COAL, coarse,	...	...						
splinty, with	...	...						
scars of brass	...	...	0	3				
COAL	...	...	3	4				
						0	5	7
						8	0	4
						0	0	5
Total			..	...	...	25	3	6



## No. 2,163.—WEST AUCKLAND.

TOWNSHIP OF WEST AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.

, Long.

*Fifth Place bored at West Auckland about 200 yards to the North-east from the Third.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Soil and stony clay ...	2	0	0				Brought forward	3	3	0	22	2	0	
<b>COAL</b> ...	0	0	6				Grey metal stone, with							
				2	0	6	girdles and water...	0	3	0				
Grey metal stone ...	2	3	0				Strong white post,							
<b>COAL</b> ...	0	0	6				with water ...	0	1	6				
				2	3	6	Grey metal ...	0	1	0				
Grey metal stone ...	1	0	6				Strong white post,							
<b>COAL</b> ...	0	0	6				mixed with whin ...	0	1	0				
				1	1	0	Whin ...	0	2	0				
Grey metal stone ...	0	1	0				Grey metal stone ...	1	1	6				
<b>COAL</b> ...	0	0	3				Grey post ...	0	1	0				
				0	1	3	Grey metal stone, with							
Grey metal and metal							girdles ...	1	3	2				
stone ...	8	5	9				<b>COAL</b> ...	0	0	1				
Grey post ...	1	1	6				<b>COAL</b> , brassy	0	1					
Grey metal stone, with							<b>COAL</b> , with							
girdles ...	1	3	0				scars of brass	0	8					
Black metal ...	0	0	6				<b>COAL</b> ...	3	8					
<b>COAL</b> , with water...	0	2	0							0	5	3		
				12	0	9						8	4	6
Grey metal stone, with														
girdles ...	1	1	0				In whin mixture ...				0	0	2	
Grey post, with water	0	4	0											
Grey metal stone, with														
post girdles and														
water ...	2	1	3											
<b>COAL</b> , with water...	0	0	9											
				4	1	0								
Grey metal stone, with														
girdles and water...	3	0	0											
Grey metal ...	0	3	0											
Carried forward	3	3	0	22	2	0	Total ...				31	0	8	

## No. 2,164.—WEST AUCKLAND.

TOWNSHIP OF WEST AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. \_\_\_\_\_, Long. \_\_\_\_\_

*Account of the Boring at West Auckland, in the High Blactens. March 18th, 1772.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	1	6				Brought forward	25	2	5			
Stony clay ... ..	1	0	6				Grey metal ... ..	0	0	7			
Brown post, with metal partings and water ... ..	6	0	0				<b>COAL</b> ... ..	0	3	6	26	0	6
<b>COAL</b> , with water...	0	0	6				Blue grey metal ...	1	2	6			
Grey metal stone, with post girdles ...	3	2	6				White post, mixed with whin ... ..	9	2	6			
Black metal stone, with water ... ..	0	1	0				<b>COAL</b> ... ..	0	1	3	11	0	3
Blue and grey metal	1	0	0				Grey metal ... ..	0	0	9			
Brown post, with water ... ..	0	4	6				Grey post ... ..	0	3	0			
Dark grey metal, with post girdles and water ... ..	6	1	6				Grey metal stone, with girdles ... ..	2	4	0			
Grey metal stone and post girdles ...	1	0	0				<b>COAL</b> , foul... ..	0	0	6	3	2	3
White and grey post, with water ... ..	0	1	6				Grey metal stone and girdles ... ..	1	0	0			
Grey post, mixed with whin and water ...	2	0	0				<b>COAL</b> ... ..	0	0	7	1	0	7
Grey post, with water	2	0	0				Grey metal stone and girdles ... ..	5	0	0			
Grey post, mixed with whin ... ..	1	0	2				Black stone and <i>coal</i> <i>pipes</i> ... ..	0	1	6			
Black metal stone ...	0	0	9				Grey metal ... ..	0	3	0			
Carried forward	25	2	5				In grey scamy post ...	1	2	11	7	1	5
							Total ... ..	48	5	0			

N.B.—This hole is at some distance North of the wood adjoining the turnpike.

## No. 2,165.—WEST AUCKLAND.

TOWNSHIP OF WEST AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. \_\_\_\_\_, Long. \_\_\_\_\_

*Bored at West Auckland Townfield, about 100 yards South-west from the Town,  
by Thomas and G. Rawling. May 1, 1772.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	2	0				Brought forward	0	5	0			
Stony clay ... ..	0	3	0				Gravel and sand, with water ... ..	1	0	6			
Carried forward	0	5	0				Carried forward	1	5	6			

## No. 2,165.—WEST AUCKLAND.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	5	6				Brought forward				11	4	3
Leafy clay, mixed							Grey metal ...	5	1	9			
with sand ...	0	2	6				Black stone ...	0	3	0			
Blue leafy clay ...	0	5	0				<b>COAL</b> ...	0	0	1			
Sand ...	1	0	0								5	4	10
Stony clay ...	3	4	0				Grey metal stone ...	1	0	11			
Gravel and sand, with							Grey metal and whin						
water ...	1	4	0				girdles ...	2	2	0			
Brown and grey metal	1	2	6				Whin ...	0	0	7			
<b>COAL</b> ...	0	0	3				Grey post, with water	2	3	11			
				10	5	9							
Blue and grey metal	0	4	0				<b>COAL</b> ...	Ft. In.					
<b>COAL</b> ...	0	0	6				<b>COAL</b> , foul,	2	5				
				0	4	6	brassy ...	0	2				
							<b>COAL</b> ...	0	5				
										0	3	0	
											6	4	5
							In grey metal ...				0	1	1
Carried forward	11	4	3										
							Total ...				24	2	7

## No. 2,166.—WEST AUCKLAND.

TOWNSHIP OF ST. HELEN AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. , Long.

*Account of Strata bored through in West Auckland Colliery, near St. Helen's Village,  
First Hole. June 19th, 1826.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Through the clay to							Brought forward	12	0	5			
the bottom of sand	4	1	4				Metal stone ...	2	0	4			
Blue strong clay ...	2	4	6				Black metal ...	0	2	0			
Brown strong clay ...	1	1	3				<b>COAL</b> , with a metal						
Brown metal, with							band 1 inch thick						
water ...	1	2	2				from top ...	0	1	10			
Metal stone, with iron											14	4	7
girdles ...	1	4	0				Grey metal ...	0	3	0			
Dark grey metal ...	0	0	9				Grey metal stone ...	0	2	0			
Grey metal ...	0	4	5								0	5	0
Carried forward	12	0	5				Total ...				15	3	7

## No. 2,167.—WEST AUCKLAND.

TOWNSHIP OF ST. HELEN AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. , Long.

*Second Hole, about 72 yards to the South from the First, in the South-east Corner of the Field. July 10th, 1826.*

Approximate surface level feet above sea (Ordnance datum).

						Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and stones	...	...	...	...	...	1	0	0			
Sandy gravel and water	...	...	...	...	...	1	4	0			
Strong clay	...	...	...	...	...	0	5	0			
									3	3	0
									3	3	0

This hole was lost by the "bitch" being put down the hole.

## No. 2,168.—WEST AUCKLAND.

TOWNSHIP OF ST. HELEN AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. , Long.

*Third Hole, 1 yard from the Second. July 13th, 1826.*

Approximate surface level feet above sea (Ordnance datum).

						Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and sand	...	...	...	...	...	1	0	0			
Sandy gravel, with water	...	...	...	...	...	1	4	0			
Strong clay	...	...	...	...	...	1	4	0			
Sand, with water	...	...	...	...	...	1	0	0			
In strong clay	...	...	...	...	...	0	3	0			
									5	5	0
Total	...	...	...	...	...	5	5	0			



## No. 2,169.—WEST AUCKLAND.

TOWNSHIP OF ST. HELEN AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map.            Lat.           , Long.           .*Fourth Hole, about 15 yards South-west from the Third and 15 yards from South Hedge.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	1	0			
Dry gravel ... ..	0	4	6			
Gravel, with water ... ..	1	3	0			
Strong clay ... ..	0	3	0			
Strong clay, with tumbling stones ... ..	2	5	6			
				5	5	0
Total ... ..				5	5	0

Lost the hole by breaking a large chisel.

## No. 2,170.—WEST AUCKLAND.

TOWNSHIP OF ST. HELEN AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map.            Lat.           , Long.           .*Fifth Hole.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	1	0				Brought forward	2	5	4	11	2	8
Rough gravel, with tumbling stones ...	3	1	0				Grey metal ... ..	0	3	0			
Blue strong clay ...	1	3	0				Blue and grey gully whin ... ..	0	0	9			
Sandy gravel and water ... ..	1	0	0				Grey metal stone and iron girdles ...	1	1	9			
Blue stone tumbler ...	0	1	6				Black and grey metal	0	1	6			
Gravelly clay ...	1	0	0				<b>COAL</b> — <i>Yard Seam</i>	0	3	7			
Strong clay ... ..	1	3	6								5	3	11
Grey metal ... ..	1	0	0				Grey metal ... ..	0	2	0			
Dark grey and black metal ... ..	1	4	3				Grey metal stone ...	0	3	4			
<b>COAL</b> ... ..	0	0	5				Grey and white post, with metal partings and water....	1	1	6			
				11	2	8							
Grey and dark metal	2	3	4				Carried forward	2	0	10	17	0	7
Grey post, with water	0	2	0										
Carried forward	2	5	4	11	2	8							

## No. 2,170.—WEST AUCKLAND.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	0	10	17	0	7	Brought forward	5	4	11	31	0	7
Strong white post and whin, with much water which rose to the top from 18 fms. 4 ft. 6 in....	...	6	4	7			Dark and black metal	1	0	0			
Grey metal ...	...	0	1	0			Grey metal and metal stone girdles ...	3	5	0			
COAL ...	...	0	1	1			Strong white post, with water and hard whin ...	2	1	0			
				9	1	6	COAL, hard and rather splinty ...	0	1	10			
Grey metal, with strong girdles ...	...	0	4	7							13	0	9
Strong white post ...	...	0	5	4			Grey metal stone and whin girdles ...	1	2	0			
Grey metal and whin girdles ...	...	2	2	0			Whin girdles ...	0	0	3			
							Grey metal stone and girdles ...	1	2	0			
COAL ...	...	0	3				COAL ...	...	0	0	6		
Grey metal ...	...	0	2								2	4	9
COAL ...	...	0	5				Grey metal ...	...	0	3	0		
				0	0	10	Grey metal stone ...	...	1	5	3		
				4	0	9	Whin ...	...	0	0	9		
Grey metal ...	...	0	3	3			Grey metal stone ...	...	0	4	2		
COAL ...	...	0	0	6			Strong white post ...	...	0	2	0		
				0	3	9					3	3	2
Grey metal and post girdles ...	...	5	4	11									
Carried forward	5	4	11	31	0	7	Total ...	...	...	...	50	3	3

## No. 2,171.—WEST AUCKLAND.

TOWNSHIP OF ST. HELEN AUCKLAND, NORTHUMBERLAND.

Sheet 42 of Ordnance Map. Lat. , Long.

*Sixth Hole, on South Side of Gaunless, about 120 yards West from Railway Metal Bridge. Begun December 20th, 1826.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	...	0	3	0			Brought forward				11	4	6
Dry gravel ...	...	0	4	6			Darkish scared metal and girdles ...	2	5	6			
Gravel and water ...	...	3	5	0			Black metal ...	0	0	3			
Dry gravel, and stony near the bottom ...	...	1	3	2			COAL, foul... ..	0	0	7			
Gravel and sand, with water ...	...	1	1	10							3	0	4
Blue stony clay ...	...	1	2	0			Grey metal stone girdles and water...	1	1	0			
Sand and layers of clay ...	...	0	3	6			Strong white post partings and water	0	5	0			
Leafy clay ...	...	0	2	0			Grey metal stone and whin girdles ...	4	0	11			
Strong clay ...	...	1	3	6			Dark grey metal ...	1	3	3			
				11	4	6							
Carried forward	11	4	6				Carried forward	7	4	2	14	4	10

## No. 2,171.—WEST AUCKLAND.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	7	4	2	14	4	10	Brought forward	24	2	4			
Black metal and water at bottom ...	0	2	3				Grey metal, metal stone, and post girdles ...	3	1	8			
COAL ...	0	0	8				Mixture whin and grey post ...	0	1	2			
Grey metal ...	0	0	10				Black and grey metal ...	0	2	0			
Grey scared post and metal stone ...	1	0	10										
Black metal and scares of coal ...	0	0	6				COAL ...	3	10				
COAL ...	0	0	3				COAL, foul... 0 2						
				1	2	5			0	4	0		
											4	4	8
Carried forward				24	2	4	Total ...				29	1	0

## No. 2,172.—WEST AUCKLAND.

TOWNSHIP OF WEST AUCKLAND, DURHAM.

Sheet 41 of Ordnance Map. Lat. , Long.

*Strata bored through in the South District of West Auckland Colliery, near the Pumping Engine Pit, close by the Footpath at Evenwood. First Hole. 1835.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	5	2	0	7	1	6
Strong blue clay ...	1	0	6				Metal partings ...	0	0	3			
Gravel and water ...	0	1	4				White post ...	0	2	6			
Strong blue clay ...	5	4	8				Metal partings ...	0	0	2			
				7	1	6	White post ...	0	4	7			
Grey metal, with post girdles ...	2	0	8				Grey metal ...	0	1	6			
Whin ...	0	1	4				Black metal ...	0	1	11			
Grey metal, with post girdles ...	1	2	0				COAL ...	0	3	3			
Brown post ...	0	0	9								7	4	2
Soft partings and water ...	0	0	2				Thill ...	0	5	10			
Brown post and a dry gullet that set away the water ...	0	2	7				Grey gully post ...	0	3	4			
White post ...	1	0	6				Metal parting ...	0	0	4			
							White post ...	0	5	0			
Carried forward	5	2	0	7	1	6	Metal parting ...	0	0	3			
							White post ...	1	3	7			
											4	0	4
							Total ...				19	0	0





## No. 2,174.—WEST AUCKLAND.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	0	0	19	2	6					39	2	9
Blue metal, with iron girdles ...	2	0	6				Brought forward	1	1	0			
Splint and coal ...	0	1	0				Grey thill stone ...	0	0	6			
Dark grey thill stone	0	3	0				<b>COAL</b> (at the dip side of the shaft)...				1	1	6
<b>COAL</b> ...	0	0	5	4	4	11	Blue metal stone ...	1	2	0			
							<b>COAL</b> ...	0	0	6			
Grey metal stone and post girdles ...	2	0	0								1	2	6
Blue metal, with iron girdles ...	3	3	0				Grey thill stone ...	0	3	0			
Black metal ...	0	4	0				Grey metal stone ...	1	0	0			
Grey metal and post girdles ...	2	3	0				Blue metal stone ...	1	0	0			
White post, mixed with whin and metal partings ...	2	3	0				White post ...	1	0	0			
Grey metal, with iron-stone balls...	2	0	0				Blue metal stone ...	2	0	0			
Blue metal ...	0	3	0				<b>COAL</b> (at the rise side of the shaft)...	0	0	4	5	3	4
Grey metal and post	1	3	0				Grey thill stone ...	0	3	0			
<b>COAL</b> (at rise side of shaft) ...	0	0	4	15	1	4	White post stone, with metal partings	4	1	0			
							Blue metal ...	1	4	0			
Carried forward				39	2	9	<b>COAL</b> ...	0	5	8	7	1	8
							Total ...				54	5	9

## No. 2,175.—WEST AUCKLAND.

TOWNSHIP OF

AUCKLAND, DURHAM.

Sheet of Ordnance Map. Lat. , Long.

*Account of the Boring near Royal Oak, West Auckland, the property of R. Surtees, Esq. March 28th, 1854.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brown ramble ...	2	0	0				Brought forward				17	1	10
Brown and grey post	2	0	0				Grey post, with metal partings ...	0	5	0			
Grey metal and post girdles ...	1	3	0				White post ...	0	5	0			
White post, with water	2	2	0				White post, mixed with whin, set away the water ...	3	2	0			
<b>COAL</b> , foul...	0	0	11	7	5	11	Grey metal stone ...	2	3	0			
							Black metal ...	0	3	6			
Dark metal, mixed with coal ...	0	1	0				Into whin ...	0	1	0	8	1	6
Brown and grey post	2	0	6										
Grey metal and post girdles ...	6	4	4										
Grey post ...	0	1	9										
<b>COAL</b> , foul...	0	0	4	9	1	11							
Carried forward				17	1	10	Total ...				25	3	4

## No. 2,176.—WEST AUCKLAND.

TOWNSHIP OF WEST AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. , Long.

*Strata bored through near Staindrop Field House, West Auckland Colliery. 1867.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	2	0				Brought forward	1	1	8	24	4	3
Brown post ... ..	1	0	2				White post, with <i>coal</i>						
White post, with black							<i>pipes</i> ... ..	1	1	2			
partings and water	0	5	9				Blue metal stone, with						
Brown post ... ..	1	3	2				ironstone girdles ...	2	0	0			
Grey post ... ..	0	2	0				Grey post, with blue						
Brown post ... ..	1	0	10				metal partings and						
Grey post, with <i>coal</i>							water ... ..	1	2	4			
<i>pipes</i> ... ..	0	4	7				Grey metal ... ..	0	5	9			
Brown post ... ..	1	0	0				Blue metal ... ..	0	4	9			
Grey post, with black							<b>COAL</b> , with water—						
partings ... ..	1	4	10				<i>Busty-bank Seam</i>	0	4	3			
Cannel and <i>coal</i> ...	0	2	4								8	1	11
				9	1	8	Grey thill stone ...	0	3	0			
White post ... ..	0	0	8				White post ... ..	2	2	8			
Black stone ... ..	0	1	1				Grey metal stone, with						
Seggar clay, with iron-							post girdles ... ..	0	2	2			
stone balls near the							Strong grey metal ...	1	0	0			
bottom ... ..	0	3	10				Blue metal ... ..	0	2	3			
White post ... ..	0	3	7				Blue metal ... ..	1	0	0			
Strong brown post ...	0	0	9				Grey metal, with post						
White post ... ..	0	4	5				girdles and <i>coal</i>						
Grey metal stone, with							<i>pipes</i> ... ..	1	1	6			
post girdles ... ..	0	3	8				White post, with black						
White post, with							partings ... ..	3	1	0			
brown metal part-							Dark metal ... ..	0	1	0			
ings ... ..	0	3	11				<b>COAL</b> ... ..	0	0	3			
<b>COAL</b> ... ..	0	9	2								10	1	10
				3	4	1	Grey metal ... ..	0	4	4			
Grey thill stone ...	0	5	10				Blue metal ... ..	0	4	0			
Grey metal stone ...	2	0	7				Shaly brown post ...	0	3	6			
Blue metal, with iron-							White post ... ..	1	0	0			
stone girdles ... ..	2	1	6				Black stone ... ..	0	4	0			
<b>COAL</b> ... ..	0	1	1				Blue metal ... ..	0	4	2			
				5	3	0	Cannel ... ..	0	0	3			
Grey thill stone ...	0	2	9				<b>COAL</b> ... ..	0	0	2			
Blue metal ... ..	0	3	4								4	2	5
White post... ..	1	4	3				Blue metal ... ..	0	1	8			
Blue metal, with iron-							Cannel ... ..	0	0	8			
stone girdles ... ..	3	2	8								0	2	4
<b>COAL</b> ... ..	0	0	6				Black stone ... ..	0	0	4			
				6	1	6	Blue metal ... ..	0	3	4			
Grey thill stone, with							White post ... ..	0	0	6			
ironstone balls ...	0	2	4								0	4	2
Blue metal, with iron-													
stone girdles ... ..	0	5	4										
Carried forward	1	1	8	24	4	3	Total ... ..				48	4	11

## No. 2,177.—WEST HARTLEPOOL.

TOWNSHIP OF STRANTON, DURHAM.

Sheet 37 of Ordnance Map. Lat. 54° 40' 4", Long. 1° 12' 11".

*Boring at Cement Works, West Hartlepool (Casebourne & Co.). 1887.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Well previously sunk	5	0	0				Brought forward	94	4	6			
Red sandstone ...	1	3	0				Red marl, with veins						
Red sandy marl ...	1	4	0				of gypsum with red						
Red sandstone, with							sandstone ...	1	4	0			
beds of red marl ...	5	1	0				Strong marl, with						
Red sandstone and							thick veins of gyp-						
marl mixed ...	9	3	0				sum ...	3	3	6			
Red marl, with beds							Red marl, with veins						
of red sandstone ...	4	3	0				of gypsum and blue						
Red and grey sand-							joints ...	0	5	6			
stone, with beds of							Anhydrite ...	0	4	0			
red marl ...	4	2	0				Anhydrite, with veins						
Red sandstone ...	4	1	0				of gypsum ...	2	0	0			
Red marl ...	5	5	0				Anhydrite ...	0	2	6			
Red marl, with beds							Blue marl ...	0	0	8			
of sandstone ...	3	2	0				Red marl, with blue						
Red marl ...	6	2	0				joints and veins of						
Red marl, with thin							gypsum ...	4	3	10			
beds of red sand-							Anhydrite ...	1	1	0			
stone ...	5	2	0				Anhydrite, with black						
Red marl ...	7	3	0				joints and veins of						
Red marl, with veins							gypsum ...	1	5	0			
of gypsum ...	15	5	0				Anhydrite, with black						
Red marl, with veins							joints ...	2	4	0			
of gypsum and blue							Anhydrite, with spots						
joints ...	9	1	0				of gypsum ...	3	0	6			
Red marl, with blue							Anhydrite, with gyp-						
joints ...	0	4	2				sum ...	1	3	4			
Red marl, with veins							Anhydrite, mixed with						
of gypsum and blue							limestone ...	2	3	8			
spots ...	0	4	6				Limestone, with gyp-						
Red marl, with veins							sum ...	6	4	0			
of gypsum with blue											128	2	0
joints ...	4	0	10										
Carried forward	94	4	6				Total ...				128	2	0

## No. 2,178.—WEST HARTLEPOOL.

TOWNSHIP OF STRANTON, DURHAM.

Sheet 37 of Ordnance Map. Lat.  $54^{\circ} 40' 27''$ , Long.  $1^{\circ} 12' 18''$ .*Boring at Cellulose Works, West Hartlepool. 1888.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Old well ...	6	1	0				Brought forward	22	3	0	8	5	0
Brown pinnel ...	2	1	0										
Yellow clay ...	0	3	0				Brown limestone ...	0	4	0			
				8	5	0	Dark shaly limestone, large grained ...	5	3	0			
Yellowish white lime- stone, soft and porous ...	22	3	0				Yellowish white porous limestone ...	2	0	0			
											30	4	0
Carried forward	22	3	0	8	5	0	Total ...				39	3	0

## No. 2,179.—WEST HARTLEPOOL.

TOWNSHIP OF HARTLEPOOL, DURHAM.

Sheet 37 of Ordnance Map. Lat.  $54^{\circ} 42' 10''$ , Long.  $1^{\circ} 11' 53''$ .*Diamond-boring at the Warren Cement Works, near Hartlepool, by Mr. John Vivian. 1888.*

Approximate surface level 14 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sand ...	3	4	0				Brought forward	15	3	0			
Soft mud and peat ...	1	2	0				Red clay ...	0	2	0			
Red clay ...	3	0	0				Soft sandstone ...	0	1	0			
Red pinnel, with small cobble ...	1	0	0				Red clay ...	0	1	0			
Dark pinnel and cob- bles ...	3	0	0				Hard rock ...	0	1	5			
Pinnel and cobbles ...	0	2	0				Anhydrite ...	44	1	7			
Dark pinnel and cob- bles ...	3	1	0				Dark grey limestone	6	2	0			
											67	0	0
Carried forward	15	3	0				Total ...				67	0	0



## No. 2,180.—WEST HETTON.

TOWNSHIP OF QUARRINGTON, DURHAM.

Sheet 27 of Ordnance Map. Lat. 54° 43' 36", Long. 1° 29' 41".

*Section of Strata sunk through at West Hetton Engine Pit.*

Approximate surface level 395 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	1	0				Brought forward	0	0	4	19	4	6
Yellow clay ... ..	1	5	0				<i>Five-Quarter Seam—</i>						
Gravel, with water ...	1	3	0				<b>COAL</b> , good	3	0				
Blue clay, with							Splint ...	0	6				
tumbling stone ...	6	0	0					0	3	6			
Soft grey metal ...	2	1	2								0	3	10
Brown post, with							Grey metal stone, with						
water ... ..	0	1	2				water ... ..	1	3	2			
Grey metal, with iron-							White post, mixed						
stone girdle ...	0	3	0				with whin and water	0	3	0			
Brown post, with							Grey metal and metal						
water ... ..	0	0	10				stone ... ..	2	0	0			
Grey metal ... ..	0	5	8				White post, with water	0	2	0			
Black metal ... ..	0	2	0				Grey metal ... ..	2	3	0			
Soft grey metal ...	0	5	6				<b>COAL</b> ... ..	0	2	4			
Strong white post,											7	1	6
with water ...	0	4	6				Grey metal ... ..	1	2	0			
Grey metal, with iron													
girdles ... ..	0	2	0				<b>COAL</b> ... ..						
Black stone or splint	0	3	0				Band ... ..	0	5				
Grey metal ... ..	0	4	0				<b>COAL</b> ... ..	2	8				
Black stone or splint	0	1	6					0	4	8			
Grey metal ... ..	0	3	6								2	0	8
<b>COAL</b> , foul... ..	0	0	8				Into post ... ..				2	2	0
				17	5	6							
Grey metal ... ..	1	0	0										
<b>COAL</b> , foul													
Grey metal ... ..	3	0											
<b>COAL</b> , foul... ..	1	2											
				0	5	0							
Grey metal ... ..	0	0	4										
Carried forward	0	0	4	19	4	6	Total ... ..				32	0	6

## No. 2,181.—WEST HETTON.

TOWNSHIP OF QUARRINGTON, DURHAM.

Sheet 27 of Ordnance Map. Lat. \_\_\_\_\_

, Long. \_\_\_\_\_

*An Account of a Boring in West Hetton Pit from the bottom of the Main Coal Seam. February 20th, 1850.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to the scaffold...				27	5	6	Brought forward	8	4	1	44	2	5
Metal pipe ...	3	2	0				White post, mixed						
Strong grey metal							with whin ...	0	1	6			
stone, inclining to							White post ...	0	3	2			
post ...	8	5	0				<b>COAL</b> — <i>Low Main</i>						
Whin...	0	1	7				<i>Seam</i> ...	0	2	6			
White and grey post	3	5	2								9	5	3
<b>COAL</b> , soft ...	0	1	2										
				16	2	11	Into grey metal ...				0	4	10
Grey metal ...	0	0	4										
Grey metal stone, set													
away water at 2 ft.													
6 in. from the top...	8	3	9										
Carried forward	8	4	1	44	2	5	Total ...				55	0	6

## No. 2,182.—WESTERTON.

TOWNSHIP OF WESTERTON, DURHAM.

Sheet 34 of Ordnance Map. Lat. \_\_\_\_\_

, Long. \_\_\_\_\_

*An Account of a Boring in the First Hole in Westerton Estate. October 5th, 1838.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	6				Brought forward				14	3	5
Leafy clay ...	4	4	6				Grey metal ...	0	3	3			
Blue stony clay ...	7	0	0				Grey post ...	0	5	3			
Grey metal ...	2	1	6				Whin...	0	0	7			
<b>COAL</b> ...							Grey post ...	0	0	9			
Grey metal band	0	2					In grey metal ...	0	0	5			
<b>COAL</b> ...	0	8									1	4	3
<b>COAL</b> , foul...	0	3											
Grey metal ...	0	5											
<b>COAL</b> , foul...	0	1											
				0	1	11							
				14	3	5	Total ...				16	1	8
Carried forward				14	3	5							

## No. 2,183.—WESTERTON.

TOWNSHIP OF WESTERTON, DURHAM.

Sheet 34 of Ordnance Map. Lat. , Long.

*Account of a Boring in the Second Hole in Westerton Estate, about yards from the village. November 2nd, 1838.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Yellow and blue strong clay ...	3	1	9				Brought forward	2	5	3	28	3	2
Grey post ...	0	5	10				Grey metal stone ...	0	5	7			
Grey metal ...	2	0	9				Grey metal, with girdles ...	1	0	3			
Black metal ...	0	0	7				Black metal ...	0	1	9			
<b>COAL</b> , foul... <sup>Ft. In.</sup> 1 6							<b>COAL</b> , foul ...	0	0	5			
<b>COAL</b> ... <sup>Ft. In.</sup> 1 4											5	1	3
	0	2	10				Grey metal ...	1	2	8			
				6	5	9	Grey metal stone ...	1	3	9			
Grey metal ...	2	1	2				Soft grey metal ...	0	1	1			
Grey post, boxed to the top of the stone with wood ...	1	3	10				<b>COAL</b> ... <sup>Ft. In.</sup> 1 0						
Grey metal ...	1	0	10				Grey metal band 0 1½						
<b>COAL</b> ...	0	0	10				<b>COAL</b> , foul... 0 6						
				5	0	8		0	1	7½			
Grey metal and <i>foul</i> coal ...	0	2	4								3	3	1½
Grey metal ...	0	1	2				Grey metal ...	0	3	0			
<b>COAL</b> ...	0	1	1				Grey metal stone ...	2	3	3			
				0	4	7	Black stone ...	0	3	1			
Grey metal ...	1	1	6				Grey metal ...	0	4	9			
Grey post, which set away the water ...	0	5	10				Black metal ...	0	0	10			
Grey metal ...	3	2	8				Grey metal ...	2	4	11			
<b>COAL</b> , foul, mixed with brass ...	0	2	4				<b>COAL</b> , foul ...	0	1	0			
				6	0	4	<b>COAL</b> ...	0	0	6			
Strong grey metal stone ...	0	4	8								7	3	4
Grey post ...	0	5	7				Dark grey metal ...	0	0	6			
<b>COAL</b> ...	0	0	8				Grey metal, metal stone the last 2 ft.	2	1	0			
				1	4	11	<i>Five-Quarter Seam</i> —						
Blue metal ...	3	1	6				<b>COAL</b> , strong, with a small scare of brass at 13 ins. <sup>Ft. In.</sup> from top ... 3 2						
Whitish grey post ...	2	5	2				Splint ... 0 8						
Grey metal stone ...	1	2	8					0	3	10			
Black metal ...	0	1	1								2	5	4
<b>COAL</b> , foul... ..	0	0	6				Grey metal ...	0	0	10			
				7	4	11	Grey metal stone, with girdles ...	2	3	2			
Grey metal, scared with coal ...	0	2	1				Whin ...	0	1	8			
Grey metal ...	0	1	6				Grey metal stone, with post girdles ...	0	4	7			
Grey post ...	2	1	8										
Carried forward	2	5	3	28	3	2	Carried forward	3	4	3	47	4	2½

## No. 2,183.—WESTERTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	4	3	47	4	2½
Dark metal, with hard girdles and water...	2	0	0			
Black metal ...	0	1	3			
Strong grey metal stone, with girdles	1	1	2			
Whin ...	0	1	4			
Grey metal stone ...	0	1	3			
White post ...	0	2	0			
Grey metal stone ...	0	2	10			
Whin ...	0	1	8			
Grey metal stone, with whin girdles ...	3	3	0			
Black metal ...	0	0	3			
Carried forward	12	1	0	47	4	2½

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	12	1	0	47	4	2½
<i>Main Coal Seam—</i>						
COAL ...	Ft.	In.				
Black metal band ...	0	1				
COAL, strong and coarse the last 3 ins.	3	3				
				0	4	7
						12 5 7
Grey metal ...	0	0	3			
In whin or ironstone	0	0	1			
						0 0 4
Total ...				60	4	1½

## No. 2,184.—WESTERTON.

## TOWNSHIP OF WESTERTON, DURHAM.

Sheet 34 of Ordnance Map. Lat. , Long.

*An Account of Boring in the Third Hole in Westerton Estate. June 20th, 1839.*

Approximate surface level feet above sea (Ordnance datum).

		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay	...	3	5	0			
Sand	...	1	1	3			
Clay	...	7	3	9			
Grey metal	...	1	2	8			
<b>COAL</b>	Ft. In. ...	1	3				
Grey metal	...	0	2				
<b>COAL</b>	...	0	4				
		0	1	9			
		14	2	5			
Grey metal	...	0	2	1			
Grey metal stone, with girdles	...	1	2	10			
Grey metal	...	1	1	11			
Dark metal	...	0	2	3			
Black stone	...	0	1	2			
Dark blue metal	...	1	1	6			
Black stone	...	0	1	3			
Grey metal	...	0	5	4			
Grey metal stone	...	1	5	4			
Black metal, scared with coal	...	0	0	5			
Carried forward		8	0	1	14	2	5

		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward		8	0	1	14	2	5
Metal	...	0	0	2			
<b>COAL</b>	Ft. In. ...	0	5				
Metal	...	0	2				
<b>COAL</b>	...	1	3				
		0	1	10			
		8	2	1			
Grey metal	...	0	3	4			
Grey metal stone	...	1	2	7			
Whin	...	0	1	1			
Grey metal stone	...	1	5	11			
Black metal	...	0	0	3			
<i>Supposed Five-Quarter Seam—</i>							
	Ft. In. ...	3	3				
<b>COAL</b> , good		1	4				
<b>COAL</b> , splint		0	4	7			
		4	5	9			
In grey metal	...	0	0	3			
Total	...	27	4	6			



## No. 2,185.—WESTERTON.

TOWNSHIP OF WESTERTON, DURHAM.

Sheet 34 of Ordnance Map. Lat. 54° 40' 10", Long. 1° 38' 14".

*Strata sunk through at Westerton Colliery to Five-Quarter Seam. Begun January 21st, 1840.*

Approximate surface level 450 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Soil ...	0	1	0				Brought forward	4	0	0	11	5	0	
Strong blue clay ...	5	2	0				<i>Five-Quarter Coal</i>							
Dry sand ...	2	3	0				<i>Seam—</i>							
Gravel and quicksand,							<b>COAL</b> , good	3	1					
with water ...	1	3	0				<b>COAL</b> , splint	1	2					
Strong brown clay ...	2	2	0							0	4	3		
				11	5	0						4	4	3
Soft grey metal ...	1	1	0				Strong grey metal,							
Grey post, with metal							with post girdles							
partings and water	1	0	0				and water ...					0	5	0
Dark grey metal, with														
ironstone girdles ...	1	5	0											
Carried forward	4	0	0	11	5	0	Total ...					17	2	3

This pit was sunk to the Main Coal Seam after the pump and engines were set to work about 11 fathoms further.

The cover of the Five-Quarter Seam has a very large quantity of ironstone in it.

## No. 2,186.—WESTERTON.

TOWNSHIP OF WESTERTON, DURHAM.

Sheet 34 of Ordnance Map. Lat. , Long.

*Account of Strata sunk through in the Engine Pit, at Westerton Colliery. May 27th, 1840.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset ... ..	0	2	0				Brought forward	10	5	6			
Soil ... ..	0	1	0				Strong clay, with						
Loamy sand ... ..	0	1	2				sandy stones ...	1	4	0			
Brown clay ... ..	0	3	10				Soft grey metal ...	1	1	0			
Loamy sand, with a							Grey post, with water						
spring of water ...	0	2	0				and metal partings	1	0	0			
Strong brown clay ...	4	3	0				Dark grey metal ...	1	1	0			
Dry sand ... ..	1	5	0				<i>Five-Quarter Coal</i>						
Very strong brown							<i>Seam—</i>						
clay ... ..	1	3	0				<b>COAL</b> ...	3	1				
Quicksand ... ..	0	0	6				Splint ...	1	3				
Clay and sand, with										0	4	4	
gravelly stones ...	0	2	6									16	3 10
Quicksand ... ..	0	5	6										
Carried forward	10	5	6				Total ... ..					16	3 10

The above was 9 feet in diameter when sinking and 7 feet when walled, and was sunk for £4 10s. per fathom.

## No. 2,187.—WESTERTON.

TOWNSHIP OF WESTERTON, DURHAM.

Sheet 34 of Ordnance Map. Lat. , Long.

*Boring in Westerton Royalty, East Place. March 4th, 1867.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sand and clay ...	4	0	0				Brought forward	6	3	6	52	0	3
Grey metal ...	10	3	0				White post, mixed						
Black metal and coal	0	2	4				with whin (got,						
Grey metal ...	5	4	3				July 26th; through,						
Black metal ...	0	1	0				Sept. 23rd) ...	3	3	0			
Grey metal, with							Grey metal parting ...	0	3	0			
strong post girdles	11	1	5				White post, mixed						
Dark metal ...	3	4	0				with whin (through,						
Grey metal, with post							Dec. 28th) ...	5	1	0			
girdles ...	4	1	0				Black metal, mixed						
Dark metal, with post							with coal ...	0	0	8			
girdles ...	1	0	0				Grey metal, with						
<b>COAL</b> ...	0	3	1	41	2	1	girdles ...	6	1	0			
Grey metal ...	2	2	0				White post, mixed						
Whin ...	0	1	8				with whin ...	3	2	0			
Grey and dark metal,							Grey metal ...	0	3	0			
with girdles ...	8	0	0				White post ...	0	1	4			
<b>COAL</b> ...	0	0	6				Grey metal ...	0	2	0			
Dark grey metal ...	6	3	6	10	4	2	Dark metal, scared	0	2	6			
							<b>COAL</b> ...	0	4	4	27	3	4
Carried forward	6	3	6	52	0	3	Into grey post ...				0	0	2
							Total ...				79	3	9

## No. 2,188.—WESTERTON.

TOWNSHIP OF WESTERTON, DURHAM.

Sheet 34 of Ordnance Map. Lat. , Long.

*Account of Strata sunk through at Westerton Colliery.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and loose stones...	1	5	0				Brought forward	0	3	4	16	0	4
Clay ...	2	4	0				Post girdles ...	1	0	1			
Strong blue clay ...	0	5	0				Post ...	0	3	3			
Clay, mixed with loam	1	2	0				Grey post ...	0	0	5			
Sand ...	0	4	0				Post ...	0	3	0			
Clay, mixed with stones	3	1	0				Blue stone ...	1	5	7			
Sand ...	0	2	0				Jet ...	0	1	5			
Gravel ...	0	5	0				Grey metal ...	1	0	7			
Blue clay and loose							Whin ...	0	1	0			
stones ...	1	3	6				Grey metal ...	0	3	0			
Blue metal (soft) ...	2	0	6				Post ...	0	1	8			
<i>Five-Quarter Coal</i>							Grey metal ...	0	5	0			
<i>Seam</i> —							Post ...	0	0	5			
<b>COAL</b> ...		Ft.	In.				Blue metal ...	3	3	11			
Splint ...	1	4					<b>COAL—Main Coal</b>						
				0	4	4	<i>Seam</i> ...	0	4	6	12	1	2
Fire clay ...	0	3	4	16	0	4	Total ...				28	1	6
Carried forward	0	3	4	16	0	4							

No. 2,189.—WEST PELTON.

TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat.  $54^{\circ} 51' 37''$ , Long.  $1^{\circ} 38' 19''$ .

*An Account of Strata sunk through in the Engine Pit at West Pelton Colliery.*

Approximate surface level 345 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.		
Outset ... ..	1	0	0				Brought forward	8	5	6	27	3	9 $\frac{3}{4}$		
Soil ... ..	0	1	0				Blue metal ... ..	0	0	4					
Gravel ... ..	0	5	0				Grey post ... ..	0	4	0					
Sand, gravel, and loam	1	2	0				Blue metal ... ..	0	0	9					
Strong clay ... ..	7	1	6	10	3	6	Grey post, with much water, engine going								
Leafy post, mixed with blue ... ..	0	4	6				19 $\frac{1}{2}$ strokes per minute ... ..	8	3	8					
<i>Five-Quarter Seam</i> —							<i>Maudlin Seam</i> —Ft. In.								
COAL, good	3	0					COAL, good	3	0						
Splint ... ..	2	0					Band ... ..	0	1						
				0	5	0	COAL, bottom ... ..	0	6						
				1	3	6					0	3	7		
Seggar clay ... ..	0	5	0								18	5	10		
Blue stone, very soft...	2	1	6				Thill stone ... ..	0	0	10					
Grey metal ... ..	0	4	6				Grey metal ... ..	0	2	4					
Post, mixed with grey metal ... ..	0	2	0				Strong grey post, with grey metal partings	1	1	0					
Grey metal ... ..	2	0	3				Blue metal ... ..	2	0	0					
Grey post, with gulleets	0	1	7				Black stone ... ..	0	1	3					
Soft blue metal ... ..	1	5	3				COAL—Low Main Seam ... ..	0	3	0					
Black stone ... ..	0	0	3								4	2	5		
COAL—Main Coal Seam ... ..	0	4	9 $\frac{1}{4}$	9	1	1 $\frac{1}{4}$	Grey metal, with stony post girdles ... ..	1	3	2					
							COAL ... ..	0	1	3					
Seggar clay ... ..	0	0	8								1	4	5		
Grey post ... ..	0	2	10				Seggar ... ..	0	0	8					
White post, with water	2	4	9				Grey post, with metal partings ... ..	1	3	0					
Grey metal ... ..	0	4	6				Whin girdle ... ..	0	2	0					
Black stone ... ..	0	3	3				Grey post ... ..	0	4	9					
Grey metal, with iron balls ... ..	0	1	0				Grey metal ... ..	0	4	0					
Black stone ... ..	0	2	8				Grey post, mixed with grey metal... ..	1	1	2					
Grey metal ... ..	1	0	0								0	0	11 $\frac{1}{4}$		
COAL, with white spar ... ..	0	0	0 $\frac{1}{2}$	6	1	8 $\frac{1}{2}$	Blue metal ... ..				0	2	2 $\frac{3}{4}$		
													*		
Seggar, with mussel shells ... ..	0	2	0				Grey post ... ..	0	1	7					
Grey metal, with post girdles ... ..	2	2	4				Blue metal, with iron-stone girdles ... ..	0	2	1					
White post girdles, with whin and water	1	5	5				<i>Hutton Seam</i> —Ft. In.								
Grey metal ... ..	0	0	9				COAL, good	3	9						
Yellow post ... ..	4	1	0				COAL, coarse	1	6						
										0	5	3			
													6	3	8
Carried forward	8	5	6	27	3	9 $\frac{3}{4}$	Total ... ..				59	2	1 $\frac{1}{4}$		

\* Approximate sea level (Ordnance datum).

## No. 2,190.—WEST PELTON.

TOWNSHIP OF EDMONDSLEY, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.*Account of Boring in West Pelton Pit. June 18th. 1859.*

Approximate surface level      feet above sea (Ordnance datum).

						Fs.	Ft.	In.	Fs.	Ft.	In.
Metal pipe	...	...	...	...	...	1	3	0			
White post	...	...	...	...	...	1	3	0			
Metal	...	...	...	...	...	6	3	0			
White post, with soft partings	...	...	...	...	...	13	5	0			
<b>COAL</b>	...	...	...	...	...	0	3	10			
									23	5	10
Metal	...	...	...	...	...	3	5	6			
<b>COAL, into...</b>	...	...	...	...	...	0	1	0			
									4	0	6
Total	...	...	...	...	...				28	0	4

## No. 2,191.—WEST PELTON.

TOWNSHIP OF PELTON, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.*An Account of Strata sunk in the Six-Foot Staple, Handen Hold. 1857.*

Approximate surface level      feet above sea (Ordnance datum).

						Fs.	Ft.	In.	Fs.	Ft.	In.
Rubbish	...	...	...	...	...	1	1	0			
Sand and gravel	...	...	...	...	...	1	2	0			
Strong blue clay	...	...	...	...	...	1	4	6			
					4	1	6				
Soft grey metal	...	...	...	...	...	1	3	6			
Grey freestone	...	...	...	...	...	1	3	6			
Soft blue metal	...	...	...	...	...	0	0	6			
<b>COAL</b>	...	...	...	...	...	0	0	8			
					3	2	2				
Seggar clay	...	...	...	...	...	0	2	6			
Blue metal, with iron-stone balls	...	...	...	...	...	1	2	0			
Black stone, mixed with coal	...	...	...	...	...	0	0	10			
Dark seggar clay	...	...	...	...	...	0	3	4			
Black stone	...	...	...	...	...	0	1	4			
Blue metal	...	...	...	...	...	0	5	0			
Strong grey post, with blue metal mixed	...	...	...	...	...	6	2	9			
Black stone	...	...	...	...	...	0	3	6			
Carried forward	10	3	3	7	3	8					
Brought forward						10	3	3	7	3	8
<i>Five-Quarter Seam—</i>											
<b>COAL, good</b>						3	6				
Splint	...	...	...	...	...	3	0				
									1	0	6
									11	3	9
Seggar clay	...	...	...	...	...	0	0	10			
Blue metal	...	...	...	...	...	0	4	2			
Strong grey post	...	...	...	...	...	1	4	6			
Blue stone, mixed with ironstone girdles	...	...	...	...	...	3	1	0			
<b>COAL—Main Coal</b>											
<i>Seam</i>	...	...	...	...	...	0	5	1			
									6	3	7
Seggar clay	...	...	...	...	...	0	2	0			
Grey post	...	...	...	...	...	0	0	10			
White post	...	...	...	...	...	0	1	5			
Dark grey post	...	...	...	...	...	0	3	7			
White post	...	...	...	...	...	1	1	4			
Carried forward	2	3	2	25	5	0					



## No. 2,191.—WEST PELTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	3	2	25	5	0
Blue metal ...	1	2	6			
Black stone, with iron-stone girdles ...	1	2	0			
Blue metal, with iron-stone girdles ...	1	3	3			
<b>COAL</b> , black slaty	0	0	10			
				6	5	9
Seggar clay ...	0	1	5			
Grey post ...	0	4	1			
White post ...	3	1	0			
Grey metal, mixed with post ...	3	4	11			
Grey post girdle ...	0	2	6			
Grey metal ...	0	2	8			
Grey post ...	1	1	5			
Grey metal, mixed with post ...	1	1	0			
White post ...	0	1	9			
Grey metal ...	0	4	6			
White post ...	0	1	6			
Grey metal ...	0	1	0			
White post ...	0	0	7			
Grey metal ...	0	1	9			
White post, with metal partings ...	1	0	8			
White post ...	2	0	0			
Grey metal ...	0	0	5			
White post ...	0	0	7			
Grey metal ...	0	1	0			
White post ...	0	1	9			
Grey metal ...	0	0	5			
Carried forward	16	4	11	32	4	9

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	16	4	11	32	4	9
<i>Maudlin Seam—</i>						
		Ft.	In.			
<b>COAL</b> , good	0	11				
<b>COAL</b> , bandy	0	9				
<b>COAL</b> , good	1	1				
				0	2	9
				17	1	8
Thill stone ...	0	1	8			
Post ...	0	1	6			
White girdle ...	0	1	6			
Blue stone ...	0	2	4			
Whin ...	0	0	8			
Blue stone ...	1	2	1			
White post ...	0	0	6			
Blue stone ...	0	2	7			
White post ...	0	1	8			
Blue stone ...	0	0	6			
Whin ...	0	1	2			
Blue stone, with post girdles ...	1	0	2			
<i>Hutton Seam—</i>		Ft.	In.			
<b>COAL</b> , good	3	10				
Slaty band	0	3				
<b>COAL</b> , coarse	0	6				
<b>COAL</b> , bandy	1	6				
				1	0	1
				5	4	5
Total ...				55	4	10

## No. 2,192.—WEST STANLEY.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

*An Account of Section sunk through in the Kettledrum Pit, at West Stanley. 1859.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Outset ...	1	0	0			
Soil and clay ...	0	5	0			
				1	5	0
Freestone ...	4	0	0			
Blue metal ...	0	3	8			
<b>COAL</b> ...	0	1	6			
				4	5	2
Seggar clay stone ...	0	3	6			
Strong grey metal, with post girdles ...	1	5	6			
Carried forward	2	3	0	6	4	2

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	3	0	6	4	2
Strong brown post ...	2	0	6			
<b>COAL</b> ...	0	0	3			
				4	3	9
Seggar clay ...	0	1	6			
Grey metal ...	1	3	3			
Grey post ...	0	2	0			
Blue metal ...	0	1	4			
Grey whin ...	0	4	0			
Grey metal ...	0	1	4			
Carried forward	3	1	5	11	1	11

## No. 2,192.—WEST STANLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	1	5	11	1	11	Brought forward	2	0	2	62	0	9
Grey leafy post ...	2	0	6				Grey metal ...	0	5	4			
Blue metal ...	8	3	11				Brown post ...	1	0	0			
Grey metal, with post							Strong grey metal ...	5	1	9			
girdles ...	2	0	0				Post girdles ...	0	0	8			
Post girdles ...	0	1	0				Grey metal ...	1	1	2			
Grey metal and iron-							Strong post ...	0	4	8			
stone ...	0	3	6				Grey metal, with post						
Blue metal ...	4	1	6				girdles ...	1	2	4			
Strong brown post ...	6	1	10				Post stone ...	0	1	2			
<i>Shield Row Seam—</i>							Grey metal ...	0	1	1			
<b>COAL</b> ...	1	10					Strong white post,						
Stone band ...	0	4					mixed with whin,						
<b>COAL</b> ...	4	7					and no parting in it	13	2	0			
			1	0	9		Post stone ...	2	0	10			
				28	2	5	<b>COAL—Maudlin</b>						
Seggar clay ...	0	4	5				<i>Seam</i> ...	0	3	6			
Grey metal ...	1	0	9								29	0	8
Strong brown post ...	2	2	0				Grey metal stone ...	2	0	0			
Grey metal ...	1	4	6				<i>Low Main Coal Seam—</i>						
<b>COAL</b> ...	0	0	8				<b>COAL</b> ...	1	10				
				6	0	4	Seggar band	1	2				
Strong grey metal,							<b>COAL</b> ...	4	6				
with ironstone ...	12	4	8							1	1	6	
<i>Five-Quarter Seam—</i>													3
<b>COAL</b> , top							Thill stone ...	0	2	0			
coarse ...	3	8					Blue stone, with post						
<b>COAL</b> , good	5	4					and ironstone gir-						
			1	3	0		dles ...	1	1	8			
				14	1	8	<b>COAL—Hutton Seam</b>	0	4	0			
Black shining stone...	1	1	4								2	1	8
<b>COAL—Main Coal</b>							Seggar clay ...	0	5	0			
or <i>Brass Thill Seam</i>	0	5	1				Grey metal ...	1	2	0			
				2	0	5					2	1	0
Thill stone ...	0	4	8										
Post stone ...	1	1	6										
Carried forward	2	0	2	62	0	9	Total ...				98	5	7

## No. 2,193.—WEST STANLEY.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

*An Account of Section in a Borehole put down from the Hutton Seam to the Bustybank Seam, in the Kettledrum Pit, West Stanley. 1873.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
<i>Staple sunk:—</i>							Brought forward	5	2	4			
Grey post ...	3	0	0				Strong grey post ...	9	5	8			
Strong post girdles ...	2	2	4										
Carried forward	5	2	4				Carried forward	15	2	0			

## No. 2,193.—WEST STANLEY.—CONTINUED.

Brought forward		Fs.	Ft.	In.	Fs.	Ft.	In.	
		15	2	0				
Ft. In.								
COAL	...	1	1					
Seggar clay	...	0	5					
COAL	...	0	2					
—		0	1	8				
		15	3	8				
Grey metal, mixed with								
post girdles	...	4	1	2				
Dark grey post	...	0	4	6				
Dark blue metal	...	3	0	4				
COAL	...	0	1	4				
—		8	1	4				
Seggar clay	...	0	2	7				
COAL	...	0	0	9				
—		0	3	4				
Seggar clay	...	0	2	7				
COAL	...	0	0	9				
—		0	3	4				
Dark post	...	1	2	6				
COAL	...	0	1	6				
—		1	4	0				
Dark thill stone	...	0	1	0				
Strong white post	...	1	3	3				
Grey metal	...	0	5	0				
Grey post	...	1	2	5				
Whin girdles	...	0	2	9				
Grey post	...	1	1	3				
Grey metal	...	0	3	9				
Carried forward								
		6	1	5	26	3	8	

Brought forward		Fs.	Ft.	In.	Fs.	Ft.	In.	
		6	1	5	26	3	8	
COAL	...	0	0	3				
—		6	1	8				
Seggar	...	0	1	6				
Dark blue metal	...	0	3	6				
Strong post	...	1	3	0				
Whin	...	0	2	0				
Strong white post	...	0	3	0				
Grey post, with part-								
ings	...	0	4	7				
COAL	...	0	1	10				
—		4	1	5				
Seggar clay	...	0	3	4				
Dark grey post	...	1	5	3				
Grey metal, with post								
girdles	...	0	5	0				
Grey post	...	0	2	5				
Black stone	...	0	0	4				
Bustybank Seam—								
Ft. In.								
COAL	...	3	10					
Seggar clay	...	1	8					
Grey post	...	5	4					
COAL	...	2	8					
—		2	1	6				
		5	5	10				
Total								
...	...	43	0	7				

## No. 2,194.—WEST STANLEY.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat.

, Long.

*An Account of Strata sunk through from the Hutton Seam to Bustybank Seam,  
Lamp Pit, West Stanley Colliery. 1874.*

Approximate surface level feet above sea (Ordnance datum).

				Fs.	Ft.	In.	Fs.	Ft.	In.
To <i>Hutton Seam</i>	...			98	5	7			
Grey metal	...	4	3	0					
White post	...	10	0	6					
Dark grey post	..	2	0	0					
Whin girdle	...	0	0	10					
Dark grey post	...	2	2	0					
Blue metal	...	2	0	0					
Carried forward		21	0	4	98	5	7		

				Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	21	0	4	98	5	7			
<b>COAL</b>	...	Ft.	In.	0	8				
Seggar clay	...	5	4						
<b>COAL</b>	...	0	8						
				1	0	8			
							22	1	0
Black stone	...			0	1	10			
Carried forward		0	1	10	121	0	7		

## No. 2,194.—WEST STANLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	0	1	10	121	0	7
Whin girdle ...	...	0	1	9		
Dark post ...	...	0	1	10		
Blue metal ...	...	0	3	0		
Seggar clay ...	...	0	4	0		
Post girdle ...	...	0	0	10		
COAL	Ft. In.	2	0			
Seggar clay	2	6				
		0	4	6		
				2	5	9
Grey metal ...	...	1	4	6		
Seggar clay ...	...	0	1	6		
Grey metal ...	...	0	5	0		
Whin girdle ...	...	0	1	4		
Grey metal and post						
girdles ...	...	1	4	0		
Blue metal ...	...	0	1	9		
COAL	...	0	0	6		
				5	0	7
Dark grey post	...	1	0	6		
Black thill stone	...	0	0	3		
Seggar clay ...	...	0	1	10		
Carried forward	1	2	7	129	0	11

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	2	7	129	0	11
White post ...	...	1	1	0		
Grey post and metal						
partings ...	...	0	4	8		
COAL	Ft. In.	3	0			
Seggar clay ...	2	4				
COAL, cannel	1	0				
		1	0	4		
				4	2	7
Grey post and metal						
partings ...	...	1	0	6		
White post, with part-						
ings ...	...	3	3	0		
Bustybark Seam—						
COAL, good	Ft. In.	0	6			
Band ...	0	6				
COAL	3	3				
Seggar clay	2	4				
COAL, good	3	0				
		1	3	7		
				6	1	1
Total ...	...	...	139	4	7	

## No. 2,195.—WEST STANLEY.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

*Account of Strata in the Mary Pit, West Stanley Colliery. October 9th, 1860.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Outset ...	...	...	1	0	2			Brought forward	3	0	1	11	2	1
Soil and clay...	...	...	0	5	0			Grey shale ...	...	...	0	1	4	
						1	5	2	Leafy grey post	...	...	0	2	6
Quarry post ...	...	...	4	0	0			Post stone ...	...	...	1	4	0	
Blue shale ...	...	...	0	3	8			Blue shale ...	...	...	8	3	11	
COAL ...	...	...	0	1	6			Grey shale, with post	...	...	...	...	...	
						4	5	2	girdles	...	...	2	0	0
Seggar clay ...	...	...	0	3	6			Post girdles ...	...	...	0	1	0	
Strong grey shale, with	...	...	...	...	...			Grey shale, with iron-	...	...	...	...	...	
post girdles	...	...	1	5	6			stone girdles	...	...	0	3	6	
Strong brown free-	...	...	2	0	6			Blue shale ...	...	...	4	1	6	
stone	...	...	0	0	3			Strong post stone	...	...	6	1	10	
COAL ...	...	...	0	0	3			Shield Row Seam—						
						4	3	9		Ft. In.				
Seggar clay ...	...	...	0	1	6			COAL, top	1	10				
Grey shale ...	...	...	1	3	3			Stone band	0	4				
Grey post ...	...	...	0	2	0			COAL, bottom	4	7				
Blue shale ...	...	...	0	1	4						1	0	9	
Grey whin ...	...	...	0	4	0							28	2	5
Carried forward	3	0	1	11	2	1		Carried forward				39	4	6



## No. 2,195.—WEST STANLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward				39	4	6		Brought forward	13	0	4	62	0	11
Seggar clay ...	0	4	5					Strong white post ...	5	2	0			
Grey shale ...	1	0	9					Strong post, mixed						
Strong brown post ...	2	2	0					with whin ...	8	0	0			
Grey shale ...	1	4	6					Post stone ...	2	0	10			
COAL ...	0	0	8					Maudlin Seam—						
				6	0	4		COAL, clean	0	3	6			
Strong grey shale, with											29	0	8	
ironstone girdles ...	12	4	8					Shivery grey shale ...	2	0	0			
Five-Quarter Seam—								Low Main Seam—						
COAL, top	Ft. In.							COAL, top	Ft. In.					
COAL, clean	5 4							Seggar clay	1 2					
		1	3	0				COAL ...	4 6					
				14	1	8					1	1	6	
Black shivery stone ...	1	1	4									3	1	6
Main Coal Seam—								Thill stone ...	0	2	0			
COAL ...	0	5	1					Blue shale, with post						
				2	0	5		and ironstone girdles	1	2	10			
Thill stone ...	0	4	8					Bastard whin ...	0	1	2			
Post stone ...	1	1	6					Blue shale ...	1	0	6			
Blue shale ...	0	5	4					COAL—Hutton Seam	0	4	0			
Brown post ...	1	0	0									3	4	6
Strong grey shale	5	1	9					COAL, bottom coal						
Post stone, strong	0	0	8					coarse and shivery	0	1	0			
Grey shale ...	1	1	2					Seggar clay ...	0	4	0			
Post stone ...	0	4	8					Grey shale ...	1	2	0			
Grey shale, with post												2	1	0
girdles ...	1	2	4											
Post stone ...	0	1	2											
Grey shale ...	0	1	1											
Carried forward	13	0	4	62	0	11		Total ...				100	2	7

## No. 2,196.—WESTWOOD.

TOWNSHIP OF MEDOMSLEY, DURHAM.

Sheet 5 of Ordnance Map. Lat. 54° 54' 10", Long. 1° 49' 15".

*Strata sunk through in Westwood Winning.*

Approximate surface level 258 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.		
Soft grey metal	...	1	3	2				Brought forward			5	2	0		
COAL	...	0	0	6				Seggar	...	0	1	8			
					1	3	8	Blue metal	...	3	4	8			
Seggar	...	0	1	2				<i>Hodge Seam—</i>	Ft. In.						
Soft grey metal	...	2	1	6				COAL	...	0	10				
Post girdles	...	0	0	7				Black slate							
Soft blue metal, with								stone	...	1	10				
bands of ironstone		0	5	0				COAL	...	0	4				
<i>Towneley Seam—</i>											0	3	0		
Splint	...	0	6									4	3	4	
Parting	...	—						Seggar, strong and							
COAL	...	1	7					rather posty, but							
				0	2	1		with no ironstone...	...	0	2	8			
								Brown post	...	0	1	9			
					3	4	4								
Carried forward					5	2	0	Carried forward		0	4	5	9	5	4

## No. 2,196.—WESTWOOD.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward	0	4	5	9	5	4		Brought forward	2	2	3	21	0	7
Brown post	2	0	10					Strong grey metal	1	5	0			
<b>COAL—Tilley Seam</b>	0	2	10					Soft blue metal	0	3	4			
				3	2	1		<b>COAL—3/4 Seam</b>	0	2	11			
Good seggar	0	1	6								5	1	6	
Seggar, with iron balls	0	5	2					Good seggar	0	1	2			
Strong white post	0	4	10					Seggar, with ironstone						
Blue metal	0	4	8					nodules	0	3	6			
<i>Top Busty Seam—</i>								Strong grey post	0	5	4			
<b>COAL</b>	Ft.	In.						<b>COAL</b>	0	1	0			
Stone band	0	4									1	5	0	
<b>COAL</b>	2	5						Black shale	0	0	6			
			0	3	1			Blue metal	1	0	4			
				3	1	3		Strong white post	0	4	10			
Good seggar	0	1	5					Metal, approaching						
Seggar, with iron balls	0	3	1					seggar and mixed						
Strong white post	0	4	2					with coal pipes	0	2	4			
Whin girdle	0	1	0					Soft blue metal	0	1	6			
Blue metal	0	4	4					<b>COAL, good splint—</b>						
Iron girdle	0	1	0					<i>Brockwell Seam</i>	0	2	6			
Strong grey post	0	4	9								3	0	0	
Blue metal	0	4	11					Seggar, strong and						
<b>COAL — Bottom</b>								rather posty	0	2	0			
<i>Busty Seam</i>	0	3	3					<b>COAL, tender and</b>						
				4	3	11		good, but 1 inch of						
Good seggar	0	0	10					slate adheres to it	0	0	10			
Seggar, dark, and with											0	2	10	
ironstone nodules	0	5	0					Black slate	0	0	6			
Strong grey metal	1	1	2					Post	1	0	0			
Brown whin girdle	0	1	3								1	0	6	
Carried forward	2	2	3	21	0	7		Total			32	4	5	

## No. 2,197.—WHEAT BOTTOM.

TOWNSHIP OF HELMINGTON ROW, DURHAM.

Sheet 34 of Ordnance Map. Lat. , Long.

*Account of the Boring in Wheat Bottom Estate, on the right-hand side of the Lane leading to Bishop Auckland from Job's Gate, near Crook. 1938.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	0	8				Brought forward	0	4	1 11	3	6	
Yellow clay ...	0	4	0										
Strong blue clay ...	6	1	4				<b>COAL</b> ...	Ft.	In.				
Grey metal stone ...	1	3	0				Strong band,	0	9				
Metal... ..	2	5	0				with white						
<b>COAL</b> ...	0	1	6				scars ...	0	4				
				11	3	6	<b>COAL, rather</b>						
Grey thill ...	0	1	0				tender ...	1	5				
Whin girdle ...	0	0	7				<b>COAL, rather</b>						
Grey metal ...	0	0	10				foul ...	0	1½				
Post girdle ...	0	0	4				<b>COAL, tender</b>	0	5				
Dark metal ...	0	1	4				Bandy metal...	0	0½				
							<b>COAL, tender</b>	0	8				
										0	3	9	
													1 1 10
Carried forward	0	4	1 11	3	6		In grey metal.						
							Total ...				12	5	4

## No. 2,198.—WHEAT BOTTOM.

TOWNSHIP OF HELMINGTON ROW, DURHAM,

Sheet 34 of Ordnance Map. Lat.

, Long.

*Account of the Boring in Wheat Bottom Royalty, near Crook, for Thistleflatt Owners. June 25th, 1850.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Blue and yellow clay, with water ...	2	3	0				Brought forward				34	0	11
Brown clay ...	5	3	0				Into dark metal (left off, August 21st) ...	0	0	6			
Sand ...	0	1	6								0	0	6
Brown clay ...	1	0	6				<i>Sunk further in the Sinking Pit, July 10th, 1851:—</i>						
Grey metal ...	0	3	0				Grey metal ...	0	1	8			
Post ...	0	1	6				COAL ...	0	2	6			
Grey metal ...	5	5	0				Metal ...	0	3	5			
COAL ...	0	0	10								1	1	7
				16	0	4	<i>Bored further:—</i>						
Grey metal ...	1	1	3				Blue metal ...	0	2	2			
Black metal ...	0	1	0				Grey post girdle ...	0	1	3			
COAL ...	0	3	7				Grey metal ...	0	4	9			
				1	5	10	COAL ...	0	2	3			
Grey metal ...	1	3	0								1	4	5
White and brown post	5	1	3				Grey metal ...	3	0	0			
White post ...	0	4	6				Grey post, with water	1	3	6			
Strong post, mixed with whin ...	0	4	5				Grey metal stone ...	1	3	0			
White post ...	0	3	3				Black metal ...	0	0	6			
COAL ...	0	2	4										
				9	0	9	COAL ...	4	1				
White post ...	1	4	0				COAL, coarse	0	8				
Grey metal ...	0	2	1								0	4	9
White post ...	0	4	7								6	5	9
Grey metal stone, with post girdles ...	0	4	1				Into grey metal ...				0	1	6
Brown and grey post	2	0	4										
Grey metal, with post girdles ...	0	3	9										
COAL ...	0	5	2										
				7	0	0							
Carried forward				34	0	11	Total ...				44	2	8

## No. 2,199.—WHEATLEY GREEN.

TOWNSHIP OF

Sheet of Ordnance Map. Lat. , Long.

*Account of Boring in Wheatley Green Estate. 1839.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Strong blue clay ...	1	5	0				Brought forward				40	3	5
Sand, with a sipping of water ...	0	3	0				Grey metal ...	0	2	0			
Blue stony clay ...	3	3	0				Grey metal stone, with whin and post girdles ...	1	5	0			
Grey post ...	0	0	9				Dark grey metal, with girdles and water...	1	4	10			
Grey metal, with brown scares ...	2	3	3				<b>COAL</b> , tender and rather foul ...	0	2	9			
Soft brown post ...	0	3	0								4	2	7
Grey and brown metal stone, with post girdles ...	3	0	0				Grey metal ...	0	0	2			
Brown post, with water ...	0	5	0				Strong white post ...	0	1	6			
Grey metal stone ...	0	5	0				Dark grey metal stone	0	2	4			
<b>COAL</b> , slaty the first 2 feet ( <i>supposed Main Coal Seam</i> )	0	5	2				<b>COAL</b> ...	0	1	0			
				14	3	2					0	5	0
Grey metal ...	0	1	0				Grey metal ...	0	4	0			
Grey metal stone ...	0	5	5				White and grey post, with water ...	0	4	6			
Grey and white post, with water ...	1	0	3				Grey metal, with iron-stone girdles and water ...	2	1	9			
Grey metal stone ...	4	0	4										
<b>COAL</b> ...	0	0	3				<i>Supposed Hutton Seam—</i>						
				6	1	3	<b>COAL</b> ...	3	0				
Black grey metal, with scares of coal ...	0	1	9				<b>COAL</b> , coarse	0	5				
Grey metal ...	0	0	6							0	3	5	
Grey and white post	1	4	6								4	1	8
Grey metal, scared with coal ...	0	4	0				Grey metal ...	1	0	0			
Grey metal stone ...	2	1	0				In grey metal and metal stone, with freestone girdles ...	1	1	4			
Strong white and grey post, with whin girdles and water...	14	1	4								2	1	4
<i>Supposed Low Main Seam—</i>													
Soft post, scared with coal ...													
<b>COAL</b> , burns to red ashes	2	10											
<b>COAL</b> , tender and rather slaty, mixed with brass	0	10											
				0	3	11							
				19	5	0							
Carried forward				40	3	5	Total ...				52	2	0



## No. 2,200.—WHEATLEY HILL.

TOWNSHIP OF THORNLEY, DURHAM.

Sheet 28 of Ordnance Map. Lat.  $1^{\circ} 23' 59''$ , Long.  $54^{\circ} 44' 48''$ .*An Account of Strata sunk through at Wheatley Hill Colliery. 1869.*

Approximate surface level 410 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	9				Brought forward	8	4	1	77	5	6
Clay, with sand and gravel ...	1	4	3				Blue metal ...	2	1	11			
Strong blue clay ...	10	0	0				Seggar stone, mixed with ironstone ...	0	4	0			
				12	0	0	Grey metal, with ironstone balls...	2	2	6			
Limestone marl ...	13	4	6				Blue metal, with ironstone bands ...	1	4	9			
Strong limestone ...	30	4	6				Black stone ...	0	0	9			
Strong white limestone ...	4	0	0				<b>COAL</b> , coarse ...	0	0	6			
Yellow limestone ...	0	1	8								16	0	6
Blue limestone ...	2	3	0				Strong blue post, mixed with whin ...	1	4	6			
White post, mixed with whin...	1	5	10				Blue metal ...	0	5	6			
				53	1	6	Grey metal, mixed with post girdles ...	2	2	6			
Red sandstone, very hard ...	1	1	4				Strong blue metal, mixed with girdles of ironstone ...	8	5	3			
Strong white sandstone, mixed with whin ...	0	4	0				<b>COAL</b> — $3\frac{1}{4}$ Seam ...	0	1	9			
Strong red sandstone ...	1	0	8								14	1	6
Dark brown whin- stone ...	0	0	6			*	Seggar band ...	0	0	7			
	0	1	1				<b>COAL</b> ...	0	0	9			
Strong sandstone ...	1	1	0								0	0	$1\frac{1}{2}$
Strong whinstone, mixed with seggar	1	0	10				Seggar band ...	0	0	3			
Light sandstone, very hard ...	1	4	9				<b>COAL</b> ...	0	0	$2\frac{1}{2}$			
Red sandstone ...	0	1	8				Seggar band ...	0	0	9			
Hard white sandstone, mixed with whin ...	1	0	8				<b>COAL</b> , coarse ...	0	1	6			
Reddish grey metal...	1	3	0				Thill stone ...	0	1	2			
Hard red sandstone...	2	2	6				<b>COAL</b> — $5\frac{1}{4}$ Seam ...	0	3	11			
				12	4	0					1	3	3
Blue metal ...	2	0	0				Seggar ...	0	0	9			
Grey metal ...	1	2	4				Seggar stone, mixed with ironstone ...	1	0	7			
Black metal stone ...	0	4	0				Hard thill stone ...	0	2	7			
Brown post, mixed with whin...	0	3	9				Grey metal stone ...	0	3	0			
Blue metal ...	1	0	0				Grey metal and post girdles ...	1	2	1			
Metal, with post girdles ...	0	2	0				Hard blue post ...	0	2	0			
Whin ...	0	1	6				Grey metal, mixed with post ...	0	1	7			
Grey metal and post girdles ...	0	3	1								0	2	10
White post, mixed with whin...	1	5	5				<b>COAL</b> , coarse, and shale ...	0	0	9			
											4	4	2
Carried forward	8	4	1	77	5	6	Carried forward	114	2	11			

\* Approximate sea level (Ordnance datum).

## No. 2,200.—WHEATLEY HILL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				114	2	11							
Grey metal, mixed													
with post ...	3	3	7										
Strong white post ...	6	1	2										
<i>Main Coal Seam—</i>													
		Ft.	In.										
COAL ...	0	9											
Band ...	0	3											
COAL ...	3	4		0	4	4							
							10	3	1				
<i>Continued sinking in the No. 2 Pit, from the same level, the Pits being 66 yards apart:—</i>													
Seggar ...	1	1	0										
COAL ...	0	0	6	1	1	6							
Blue metal ...	2	0	0										
Grey metal ...	1	5	6										
Strong grey metal, with post girdles ...	1	3	0										
COAL, with gas ...	0	1	6	5	4	0							
Grey metal, with scares of coal and strong thin girdles	2	2	0										
Strong white post, mixed with iron girdles ...	8	0	0										
White post, scared with coal ...	2	1	0										
Grey post, scared with coal ...	0	2	6										
COAL — <i>Low Main Seam</i> ...	0	3	0	13	2	6							
Seggar ...	0	1	6										
Grey metal ...	0	2	0										
Black stone ...	0	1	6										
Strong grey metal, with post girdles ...	4	2	6										
Strong blue metal, with ironstone balls	0	2	0										
Black stone ...	0	0	9										
Strong grey metal, with ironstone gir- dles ...	1	1	0										
Black stone ...	0	0	6										
COAL ...	0	0	6	7	0	3							
Seggar, mixed with post ...	0	2	0										
Grey metal ...	0	3	6										
White post, mixed with iron ...	0	3	10										
Carried forward	1	3	4	152	2	3							
Brought forward													
Dark grey metal, with post girdles ...	1	0	0										
COAL ...	0	0	8										
							2	4	0				
Grey metal, with post girdles ...	2	0	1										
Dark metal, with post girdles ...	2	1	8										
COAL ...	0	2	0	4	3	9							
Soft seggar ...	0	0	4										
Grey metal ..	0	1	3										
Post, with grey metal partings ...	1	0	5										
Strong post, with iron girdles ...	0	3	0										
Grey metal ...	1	1	2										
Strong post, mixed with iron ...	1	3	0										
Blue metal ...	0	2	10										
<i>Hutton Seam—</i> Ft. In.													
COAL (Oct. 22nd, 1889)	3	3											
COAL, can- nel ...	1	0		0	4	3							
							5	4	3				
Seggar ...	0	1	6										
Blue metal, with iron girdles ...	2	0	6										
COAL ...	0	0	5				2	2	5				
Blue metal, with iron girdles ...	2	1	7										
COAL ...	0	0	6				2	2	1				
Seggar ...	0	1	8										
Strong white post ...	0	4	0										
Post, with iron balls	2	1	0										
Mild white post ...	2	3	0										
Blue metal ...	0	0	6										
COAL ...	0	0	5				5	4	7				
Grey metal, with post girdles ...	0	4	0										
Black metal, with iron girdles ...	3	5	0										
Grey metal, with iron girdles ...	4	2	8										
White post ...	0	2	6										
COAL ...	0	0	3				9	2	5				
Seggar ...	0	1	2										
Coal pipes ...	0	1	0										
Seggar ...	0	1	6										
Grey metal, with iron girdles ...	1	1	9										
Carried forward	1	5	5	185	1	9							

## No. 2,200.—WHEATLEY HILL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	5	5	185	1	9
Post, with blue metal partings ...	0	5	0			
Post, with grey metal partings ...	0	4	0			
Blue metal and post girdles ...	0	4	0			
<b>COAL—Harvey Seam</b>	0	4	0			
				4	4	5
Seggar ...	0	1	6			
Grey metal, inclined to post ...	1	5	6			
Grey post, with iron girdles ...	0	5	2			
Post ...	0	2	0			
<b>COAL</b> ...	0	0	6			
				3	2	8
Seggar ...	1	1	4			
Carried forward	1	1	4	193	2	10

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	1	4	193	2	10
<i>Busty Seam—</i>						
<b>COAL</b> ...	2	9				
Hard band ...	0	2				
<b>COAL</b> ...	1	2 $\frac{1}{4}$				
Seggar band ...	1	5				
<b>COAL, coarse</b>	0	1 $\frac{1}{2}$				
Seggar band ...	1	3				
<b>COAL</b> ...	1	3				
				1	2	1 $\frac{3}{4}$
Seggar ...	0	1	0			
Blue metal ...	0	5	0			
Strong framy blue metal ...	1	0	0			
Strong metal, with iron girdles ...	0	2	0			
Strong bastard post, with iron girdles, very hard ...	0	2	0			
				2	4	0
Total ...				198	4	3 $\frac{3}{4}$

\* Workable portion of seam.

## No. 2,201.—WHICKHAM.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.

*Strata sunk and bored through at Whickham Colliery.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Outset ...	1	3	0			
Freestone post ...	14	0	0			
Black stone ...	1	3	6			
<b>COAL</b> ...	0	0	3			
				17	0	9
Grey post ...	5	1	7			
<i>Beaumont Seam—</i>						
<b>COAL</b> ...	2	5				
Band ...	0	4				
<b>COAL</b> ...	0	11				
				0	3	8
Post, with whin ...	2	3	0			
<b>COAL</b> ...	0	0	3			
				2	3	3
Carried forward	25	3	3			

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	25	3	3			
White post ...	2	0	6			
Black stone ...	0	2	3			
Splint ...	0	7				
<b>COAL</b> ...	0	10				
				0	1	5
Grey metal ...	0	2	3			
White post ...	1	2	9			
<b>COAL</b> ...	0	0	3			
				1	5	3
White post ...	2	5	2			
Blue stone ...	0	0	7			
Carried forward	2	5	9	30	0	8

## No. 2,201.—WHICKHAM.—CONTINUED.

Brought forward			Fs.	Ft.	In.	Fs.	Ft.	In.
			2	5	9	30	0	8
<b>COAL—Stone Coal</b>								
<i>Seam</i> ...	...	...	0	2	0			
						3	1	9
Grey metal ...	...	...	0	3	2			
White post ...	...	...	5	1	1			
<b>COAL</b> ...	...	...	0	2	3			
						6	0	6
Grey metal ...	...	...	1	3	8			
<b>COAL</b> ...	...	...	0	2	1			
						1	5	9
Total sunk						41	2	8
<i>Bored further:—</i>								
Grey metal ...	...	...	1	0	0			
White post ...	...	...	0	0	4			
Grey metal ...	...	...	0	2	2			
White post, with black								
scars ...	...	...	1	0	1			
White post ...	...	...	2	0	8			
Grey metal ...	...	...	0	2	6			
Carried forward			4	5	9	41	2	8

Brought forward			Fs.	Ft.	In.	Fs.	Ft.	In.
			4	5	9	41	2	8
White post ...	...	...	5	1	11			
Blue metal ...	...	...	0	4	8			
<b>COAL</b> ...	...	...	0	0	3			
						11	0	7
Grey metal ...	...	...	1	1	3			
White post ...	...	...	4	5	0			
Grey metal ...	...	...	0	0	9			
<b>COAL</b> ...	...	...	0	0	2			
						6	1	2
Grey metal ...	...	...	0	0	6			
Post girdles ...	...	...	0	5	0			
Grey metal ...	...	...	0	0	9			
<b>COAL</b> ...	...	...	0	0	8			
						1	0	11
Grey metal ...	...	...	1	0	2			
White post ...	...	...	1	2	1			
						2	2	3
Total ...						62	1	7

## No. 2,202.—WHICKHAM FELL.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.

*Account of Strata bored through at Whickham Fell, near Feathercock.*

Approximate surface level feet above sea (Ordnance datum).

			Fs.	Ft.	In.	Fs.	Ft.	In.
			6	4	6			
Brown stony clay ...						6	4	6
Iron post, with white								
scars ...	...	...	0	1	8			
Grey and brown metal			1	1	3			
Grey and brown post,								
with scars of coal	...	...	6	1	6			
<b>COAL</b> , foul ...	...	...	0	0	4			
						7	4	9
Grey post, with dark								
scary partings ...	...	...	7	1	5			
<b>COAL</b> ...	...	...	1	0				
Soft metal ...	...	...	1	6				
<b>COAL</b> , tender ...	...	...	1	3				
			0	3	9			
						7	5	2
Grey metal, with coal			0	1	5			
Grey metal ...	...	...	0	1	7			
Carried forward			0	3	0	22	2	5

Brought forward			Fs.	Ft.	In.	Fs.	Ft.	In.
			0	3	0	22	2	5
<b>COAL</b> , foul ...	...	...	0	1	0			
						0	4	0
Grey metal ...	...	...	1	2	7			
Grey and white post,								
with metal partings	...	...	3	0	0			
and water ...	...	...	9	1	6			
Grey metal ...	...	...	0	1	4			
Black metal, with								
scars of coal ...	...	...	0	1	4			
Grey metal stone, with								
post girdles ...	...	...	3	5	2			
Whin girdle ...	...	...	0	4	0			
<b>COAL</b> ...	...	...	0	4	0			
						19	0	7
Grey metal stone, with								
girdles ...	...	...	1	0	6			
Carried forward			1	0	6	42	1	0





## No. 2,203.—WHITEFIELD.

TOWNSHIP OF CHOPWELL, DURHAM.

Sheet 5 of Ordnance Map. Lat., , Long.

*Account of Boring in the John Pit, Whitefield Colliery, from the Five-Quarter Coal Seam, Chopwell Lordship.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Thill ...	0	1	0				Brought forward	0	3	0	8	3	7
Strong grey metal stone, with mixture							Grey post, with coal pipes	0	5	4			
whin girdles	2	2	0				Blue and black metal	0	0	3			
Blue metal stone, with whin girdles	1	1	0				<b>COAL</b>	0	0	3			
<b>COAL</b>	0	2	1								1	2	10
				4	0	1	Blue and black metal	0	1	2			
Strong grey and white metal stone, with strong white girdles	1	3	1				Grey post, with black scamy partings	1	0	0			
Whin	0	1	4				Blue metal stone	0	2	0			
Grey metal stone, with whin girdles	2	0	0				Grey post, with black scamy partings	1	0	1			
Strong white post	0	4	4				Blue metal	0	1	2			
Blue metal	0	0	5				Black slate, with a mixture of coal	0	1	1			
<b>COAL</b>	0	0	4				<b>COAL</b> , rather coarse at bottom	0	2	8			
				4	3	6					3	2	2
Blue metal	0	3	0				In blue grey metal				0	1	6
Carried forward	0	3	0	8	3	7	Total				13	4	1

## No. 2,204.—WHITEFIELD.

TOWNSHIP OF CHOPWELL, DURHAM.

Sheet 5 of Ordnance Map. Lat., , Long.

*Account of Boring at Whitefield Colliery, near Chopwell Hall, from the Five-Quarter Coal Seam.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to scaffold	15	0	6				Brought forward				19	4	5
Box	0	1	2				Blue metal stone, with whin girdles	2	0	7			
Soft grey metal	0	0	6				Black metal, mixed with coal	0	1	6			
Strong blue grey metal stone, with strong girdles	2	2	10				Grey metal	0	0	6			
Black slate, mixed with coal	0	0	4				Grey post, with black scamy partings	2	5	8			
Grey metal stone, with post girdles	0	3	10				<b>COAL</b>	0	0	6			
Black slate	0	2	0								5	2	9
Blue grey metal stone	0	2	6				Blue metal, with girdles	0	5	0			
<b>COAL</b>	0	2	9				Black slate	0	0	11			
				19	4	5	<b>COAL</b>	0	2	5			
											1	2	4
Carried forward				19	4	5	Total				26	3	6

## No. 2,205.—WHITE LEE.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 25 of Ordnance Map. Lat.  $54^{\circ} 43' 53''$ , Long.  $1^{\circ} 45' 28''$ .*Account of Strata bored through in the Little Pit, at Spearman's White Lee Colliery,  $8\frac{1}{4}$  fathoms sunk.*

\*Approximate surface level 690 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	2				Brought forward	4	1	10	11	4	7
Yellow clay ..	0	3	0				Grey metal ...	3	5	10			
Blue clay, with tum- blers ...	1	0	0				<b>COAL</b> ...	0	1	5			
Dark soil and clay ...	0	4	0								8	3	1
Sandy gravel ...	0	2	8				Grey metal ...	0	3	8			
Strong blue clay ...	5	2	10				<b>COAL</b> ...	0	0	5			
				8	1	8					0	4	1
Grey metal ...	0	2	8				Strong grey metal ...	0	2	10			
Whin girdle and water ...	0	0	4				Whin, with water ...	0	0	9			
Strong grey metal stone ...	0	3	8				Grey metal ...	0	2	4			
<b>COAL</b> ...	0	1	10				Grey post ...	0	1	4			
				1	2	6	White post, with much water ...	0	2	6			
Grey metal ...	0	3	6				Strong grey post ...	0	4	9			
Grey post, with much water ...	0	3	0				Grey metal ...	0	0	5			
Grey metal ...	0	0	8				Strong white post, with water ...	8	4	7			
Grey post ...	0	0	7				Grey metal ...	1	0	10			
Grey metal ...	0	1	10				<b>COAL — Brockwell Seam</b> ...	0	4	0			
<b>COAL—5/4 Seam</b> ...	0	2	10								13	0	4
				2	0	5	Strong grey metal ...	1	2	8			
Grey metal ...	0	2	10				Grey metal, with post girdles ...	1	0	0			
Grey post, with metal partings ...	2	0	4				Dark grey metal ...	0	2	2			
White post, with water ...	1	1	7				Grey post ...	0	4	2			
Whin, with water below ...	0	3	1								3	3	0
Carried forward	4	1	10	11	4	7	Total ...				37	3	1

## No. 2,206.—WHITE LEE.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 25 of Ordnance Map. Lat. 54° 43' 52", Long. 1° 45' 30".

*Account of Strata sunk and bored through in the Big Pit, White Lee Colliery, in 1840 and 1841.*

Approximate surface level 690 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	2				Brought forward	2	0	4	20	5	7
Yellow clay ...	0	3	0				Light grey post ...	0	2	0			
Blue clay, with tumblers ...	1	1	0				Dark metal ...	0	0	5			
Dark soil and clay ...	0	5	0				Light post ...	0	1	10			
Sandy gravel ...	0	2	8				White post, with balls of metal ...	7	0	11			
Strong blue clay ...	5	2	11				Dark grey metal ...	0	5	0			
Grey metal ...	0	3	0										
Whin girdle, with water ...	0	0	4				<i>Main Coal Seam—</i>						
Strong grey metal stone ...	0	3	8				<b>COAL</b> ...	Ft. In.					
<b>COAL</b> ...	0	1	10				Splint ...	0	3				
				10	0	7			0	4	2		
Grey metal ...	0	4	6								11	2	8
Grey post, with much water ...	0	3	0				Grey metal stone, with post girdles ...	2	3	3			
Grey metal ...	0	0	8				White post ...	0	2	0			
Grey post ...	0	0	7								2	5	3
Grey metal ...	0	2	8										
<b>COAL—5/4 Seam</b> ...	0	3	1				Total sunk ..				35	1	6
				2	2	6	<i>Bored:—</i>						
Strong grey metal ...	1	5	0				White post ...	2	1	0			
Very strong grey post, with water and metal partings ...	2	3	0				Grey post, with water	1	4	0			
Strong grey metal and water ...	3	1	0				Dark metal ...	1	5	3			
<b>COAL</b> ...	0	2	0				Black metal ...	0	1	3			
				7	5	0	Blue metal ...	0	3	3			
Grey metal thill ...	0	3	0				<b>COAL</b> and black stone	Ft. In.					
<b>COAL</b> ...	0	0	6				Grey metal ...	0	6				
				0	3	6	<b>COAL</b> , mixed with black stone	1	9				
Grey metal stone ...	0	2	0						0	3	6		
Strong grey post, with metal partings ...	1	4	2								7	0	3
Dark metal ...	0	0	2				Grey post ...	0	4	6			
							White post ...	1	0	2			
Carried forward	2	0	4	20	5	7					1	4	8
							Total ...				44	0	5



## No. 2,207.—WHITE LEE.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 25 of Ordnance Map. Lat. 54° 43' 43", Long. 1° 46' 0".

*Strata bored through at White Lee, 200 yards East from Mr. Angus's Farm House, near the Beck.*

Approximate surface level 700 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	1	0				Brought forward				5	1	3
Yellow clay ... ..	0	3	0				Grey metal ... ..	0	0	6			
Strong blue clay ... ..	0	5	0				Grey post, with metal						
Gravel, with water ... ..	0	4	0				partings ... ..	1	0	3			
Grey metal ... ..	0	5	0				Grey metal, with post						
Strong grey metal							girdles ... ..	1	0	10			
stone ... ..	0	3	0				<b>COAL</b> ... ..	1	0	7			
Grey metal, with post											3	2	2
girdles ... ..	1	2	0				Grey metal ... ..	0	0	7			
<b>COAL</b> , with a sipping							Dark grey metal, with						
of water ... ..	0	2	3				scares of coal ...	0	1	0			
				5	1	3	Grey metal, with water	1	0	0			
							In white post ...	0	3	6			
											1	5	1
Carried forward				5	1	3	Total ... ..				10	2	6

## No. 2,208.—WHITE LEE.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 33 of Ordnance Map. Lat. 54° 43' 33", Long. 1° 45' 10".

*Account of the Strata sunk in the Bolckow Pit, New White Lee Colliery.*

Approximate surface level 595 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Yellow clay ... ..	0	0	8				Brought forward				12	4	10
Blue clay ... ..	0	3	8				<i>Sunk below the</i>						
Gravel and sand ... ..	0	3	6				<i>Coal:—</i>						
Dark blue clay ... ..	0	4	0				Fire clay, good ...	0	1	6			
Blue clay ... ..	4	4	2				Fire clay, with iron-						
Sand ... ..	0	4	0				stone nodules ...	1	1	6			
Hard white post, with							White post ... ..	0	1	6			
partings ... ..	4	4	4				Grey metal ... ..	0	0	2			
<b>COAL</b> , good ... ..	0	4	6				White post ... ..	0	1	0			
				12	4	10	Grey metal ... ..	0	0	1			
							Grey post ... ..	0	1	8			
							Grey metal ... ..	0	1	5			
							Blue metal ... ..	0	0	5			
											2	3	3
Carried forward				12	4	10	Total ... ..				15	2	1

## No. 2,209.—WHITE MARE POOL.

TOWNSHIP OF HEWORTH, DURHAM.

Sheet 7 of Ordnance Map. Lat. , Long.

*Account of Strata bored through at the White Mare Pool, for Thomas Wade, Esq.,  
by George Rawling. 1800.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to scaffold ...	1	2	0				Brought forward	1	4	6	41	2	11
Box ...	8	0	0				Grey and black metal						
Grey and black metal,							with girdles ...	1	2	3			
with girdles ...	5	3	0				<b>COAL</b> ...	0	0	7			
White post, with part-											3	1	4
ings and water ...	0	4	6				Grey metal stone, with						
Grey metal, with gir-							girdles ...	3	0	6			
dles ...	3	0	0				<b>COAL</b> , mixed with						
Blue and black metal	0	1	8				black metal ...	0	1	0			
<b>COAL</b> , foul...	0	0	6				Black grey metal ...	0	1	6			
				18	5	8	<b>COAL</b> ...	0	0	7			
Grey metal ...	1	3	0								3	3	7
White post ...	0	3	0				Grey metal and white						
Grey metal, with gir-							post ...	6	0	0			
dles ...	2	4	7				Grey metal and metal						
<b>COAL</b> ...	0	0	9				stone, with girdles	2	3	0			
				4	5	4	White post ...	5	0	0			
Blue and grey metal,							Grey metal and post						
with girdles ...	2	0	0				girdles ...	1	2	0			
White post, with part-							White post, with part-						
ings and water ...	1	2	0				ings, water, and						
<b>COAL</b> , foul...	0	0	4				sulphur ...	7	5	0			
				3	2	4	Grey metal stone and						
Grey metal ...	0	1	0				post girdle...	0	3	0			
Blue grey metal ...	2	4	6				Strong white post ...	4	2	0			
White post, with water	0	4	0				Grey and blue metal	3	2	0			
Blue grey metal, with							<b>COAL</b> ...	0	0	8			
girdles ...	3	3	0				Black metal, mixed						
White post with							with coal ...	0	0	4			
water ...	2	3	0								31	0	0
<b>COAL</b> , foul...	0	0	3				Grey metal ...	0	1	8			
				9	3	9	Grey metal, and metal						
Grey metal ...	1	1	0				stone with post						
Strong white post,							girdles ...	1	4	6			
with water ...	3	0	0				Strong white post ...	1	3	0			
Grey metal stone ...	0	1	6				Whin ...	0	0	6			
Blue metal ...	0	0	6				Strong white post,						
<b>COAL</b> ...	0	0	10				mixed with whin ...	1	2	6			
				4	3	10	Whin ...	0	0	9			
Grey metal ...	0	4	6				Strong white post,						
White post, with water	1	0	0				mixed with whin ...	4	0	0			
Carried forward	1	4	6	41	2	11	Carried forward	9	0	11	79	1	10

## No. 2,209.—WHITE MARE POOL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	9	0	11	79	1	10	Brought forward	4	4	0	99	4	0
Whin ... ..	0	3	0				White and black metal ... ..	0	2	0			
Strong white post, with whin ... ..	2	0	0				Grey scamy post ... ..	0	4	0			
Grey and blue metal	1	0	0				Grey metal, with girdles ... ..	3	0	0			
Grey metal stone, with post girdles ... ..	1	0	0				Grey and white post, with whin ... ..	4	3	0			
<b>COAL</b> ... ..	0	0	8				Blue metal ... ..	0	0	8			
				13	4	7	Grey metal and metal stone, with girdles	2	1	0			
Grey and blue metal, with post girdle ... ..	3	4	6				<b>COAL</b> ... ..	0	1	0			
Grey post ... ..	0	2	0								15	3	8
Whin ... ..	0	1	6				Grey metal, with girdles ... ..	3	2	0			
Strong white and grey post ... ..	0	4	6				In grey and white post ... ..	1	0	0			
Grey girdly stone and metal partings ... ..	1	2	0								4	2	0
<b>COAL</b> ... ..	0	1	1										
				6	3	7							
Grey metal, with girdles ... ..	4	4	0										
Carried forward	4	4	0	99	4	0	Total ... ..				119	3	8

## No. 2,210.—WHITLEY.

TOWNSHIP OF TYNEMOUTH, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

*A Trial Borehole at Whitley, near the Monk House.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay ... ..	1	1	0				Brought forward	14	0	11			
Sand, with water and tumblers at the bottom ... ..	1	0	0				Black stone ... ..	0	0	10			
Blue clay ... ..	1	2	2				Grey metal, with post girdles ... ..	2	0	10			
Black stone and coal	0	1	0				Blue metal ... ..	0	2	2			
Grey metal ... ..	0	5	5				Black stone ... ..	0	0	8			
Post, with metal partings ... ..	8	1	0				<b>COAL</b> — <i>Low Main Seam</i> ... ..	0	3	0			
Blue metal ... ..	1	2	4								17	2	5
Carried forward <sup>a</sup>	14	0	11				Total ... ..				17	2	5

## No. 2,211.—WHITLEY.

TOWNSHIP OF WHITLEY, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. , Long. =

*Account of the Strata passed through in sinking a Pit adjoining Hartley Boundary, Whitley Links.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...	...	3	0	0			Brought forward				8	3	0
Sand and gravel ...	...	1	1	6			Thill stone ...	...	0	5	6		
Grey post ...	...	0	4	0			White post ...	...	0	3	0		
White post ...	...	1	2	0			Grey whin ...	...	0	1	0		
Blue shale ...	...	0	1	6			Grey shale ...	...	0	4	0		
Ironstone band ...	...	0	0	1			White post ...	...	0	2	0		
Blue metal ...	...	0	2	0			Grey whin ...	...	0	1	0		
Ironstone band ...	...	0	0	2			Grey shale ...	...	1	0	9		
Blue metal ...	...	0	1	0			* { Ironstone ...	...	0	0	8		
Ironstone band ...	...	0	0	0 $\frac{1}{4}$			* { Mussel-scalp ...	...	0	0	8		
Blue shale ...	...	0	1	8			* { Ironstone ...	...	0	0	4		
Ironstone band ...	...	0	0	1			Grey shale ...	...	0	4	0		
Blue shale ...	...	0	1	0 $\frac{3}{4}$			White post ...	...	0	2	10		
Black stone ...	...	0	0	8			Grey whin ...	...	0	1	0		
	Ft.	In.					Grey shale ...	...	1	0	6		
<b>COAL</b> ...	2	5					Black stone ...	...	0	1	1		
Band ...	1	0					Thill stone ...	...	0	2	0		
<b>COAL</b> ...	1	10					<b>COAL, bottom</b> ...	...	0	1	8		
			0	5	3						7	2	0
					8	3	0						
Carried forward			8	3	0		Total ...				15	5	0

\* 12 inches in 20 took up 16 inches of grey shale, making 3 feet. The mussel-scalp contains a good deal of iron. In a 6 feet place, suppose a man to clear 2 feet in a shift, the produce would be 6 feet  $\times$  2 = 12 cubic feet =  $1\frac{1}{8}$  tons.

## No. 2,212.—WHITLEY.

TOWNSHIP OF WHITLEY, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

*Bored 130 yards to North-east, 6 feet below High Water Mark, at Whitley Park.*

Approximate surface level feet above sea (Ordnance datum).

						Fs.	Ft.	In.	Fs.	Ft.	In.
Blue metal	...	...	...	...	...	0	3	0			
White post	...	...	...	...	...	1	2	0			
Blue metal stone	...	...	...	...	...	0	5	0			
Black stone	...	...	...	...	...	0	1	0			
COAL	...	...	...	...	...	0	4	2			
Grey metal	...	...	...	...	...	0	0	9			
COAL	...	...	...	...	...	0	1	0			
Dark thill	...	...	...	...	...	0	0	7			
									3	5	6
	</										



## No. 2,213.—WHITLEY.

TOWNSHIP OF WHITLEY, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

*Bored in Whitley Colliery, S. 30° E. from mouth of Drift, South of Mrs. Wright's House, and 950 links from Drift. First Hole. June 10th, 1804.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ... ..	1	2	0				Brought forward	8	0	6			
Brown post ... ..	1	3	0				Grey metal stone, with						
Grey metal stone, with							post girdles ... ..	1	1	6			
white girdles ... ..	0	3	0				White post ... ..	0	3	0			
Grey metal stone ... ..	1	0	0				Whin ... ..	0	1	3			
White post ... ..	1	0	0				Blue metal stone ... ..	0	5	0			
Brown post ... ..	0	5	0				Black stone ... ..	0	1	0			
White post ... ..	0	3	0				Old waste ( <i>supposed</i>						
Blue metal, with dark							<i>Main Coal</i> ) ... ..	1	0	0			
scames ... ..	1	2	6								12	0	3
Carried forward	8	0	6				Total ... ..				12	0	3

## No. 2,214.—WHITLEY.

TOWNSHIP OF WHITLEY, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

*Bored at Whitley Colliery in a Field about 500 yards South-east from Mr. Hudson's House. Second Hole. June 30th, 1804.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ... ..	1	1	0				Brought forward	10	1	5	12	0	3
Brown post ... ..	0	1	0				White post ... ..	0	4	7			
Dark blue metal stone	1	2	0				Blue metal stone ... ..	2	0	0			
Brown post ... ..	0	4	0				<b>COAL</b> ... ..	0	0	3			
Dark grey metal ... ..	0	5	0								13	0	3
Brown post ... ..	6	4	0				White post ... ..	2	1	0			
White post ... ..	0	3	5				Blue metal ... ..	1	3	10			
<i>Five-feet Coal Seam—</i>							Black stone ... ..	0	1	1			
<b>COAL</b> , strong Ft. In.							Grey metal stone ... ..	0	1	10			
and good ... ..	2	0					White post ... ..	0	5	9			
Blue metal							Blue metal ... ..	1	2	4			
stone ... ..	0	10					Black stone ... ..	0	1	1			
<b>COAL</b> , tender ... ..	1	0					<i>Main Coal Seam—</i>						
				0	3	10	<b>COAL</b> , chan- Ft. In.						
							nel ... ..	0	6				
Blue metal stone ... ..	1	4	6				<b>COAL</b> , strong	4	5				
Grey metal ... ..	5	0	2								0	4	11
Grey post ... ..	2	1	11								7	3	10
Whin ... ..	0	0	4				In dark blue metal ...				0	0	10
Grey metal stone ... ..	1	0	6										
Carried forward	10	1	5	12	0	3	Total ... ..				32	5	2

## No. 2,215.—WHITLEY.

TOWNSHIP OF WHITLEY, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

*Sunk East from Whitley Park, near to High Water Mark. September 6th, 1804.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ... ..	1	3	0				Brought forward	5	3	0			
White post ... ..	0	4	0				Black stone ... ..	0	1	0			
Dark grey metal ...	1	0	0										
White post, much							COAL ... ..						
mixed with whin ...	0	4	0				Grey metal ... ..	0	8				
Grey metal stone ...	0	3	6				COAL ... ..	0	11				
White post ... ..	0	2	0								0	5	9
Dark grey metal stone	0	4	6				Dark metal stone ...				6	3	9
											0	0	11
Carried forward	5	3	0				Total ... ..				6	4	8

## No. 2,216.—WHITLEY.

TOWNSHIP OF WHITLEY, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

*Bored at Whitley, in a Field near the Village, No. 5 upon the Plan.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ... ..	2	3	6				Brought forward	8	0	3	7	2	2
COAL ... ..	0	1	6				Whin ... ..	0	1	8			
				2	5	0	White post ... ..	2	3	5			
Thill ... ..	0	3	0				Whin ... ..	0	4	8			
Blue metal stone ...	1	1	6				White post, with gul-						
Post ... ..	1	2	1				lets ... ..	3	4	5			
Blue metal stone ...	0	5	10				COAL ... ..	0	2	0			
COAL ... ..	0	2	9								15	4	5
				4	3	2	Blue metal ... ..	0	1	2			
Thill ... ..	0	4	10				COAL, brassy and						
Post ... ..	1	2	4				tender ... ..	0	1	4			
Dark metal stone ...	0	4	5								0	2	6
Grey metal stone ...	0	4	8				Dark thill ... ..	0	5	4			
Post, with metal							Blue stone ... ..	1	1	2			
partings ... ..	1	0	5				Scamy post ... ..	3	1	11			
Post, with cashy part-							Blue stone ... ..	0	4	10			
ings ... ..	1	5	7				Black stone, mixed						
Blue metal stone ...	0	1	8				with coal ... ..	0	1	3			
Post stone ... ..	1	0	4				Blue metal ... ..	1	0	9			
Carried forward	8	0	3	7	2	2	Carried forward	7	3	3	23	3	1

## No. 2,216.—WHITLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	7	3	3	23	3	1	Brought forward	3	4	3	32	4	1
Black stone, mixed							Dark grey metal ...	0	0	8			
with coal ...	0	0	11				White post, with gul-						
<b>COAL</b> ...	0	2	0				lets ...	1	0	2			
				8	0	2	Blue metal ...	1	2	1			
Dark grey thill ...	0	1	2				Black stone ...	0	1	0			
Scamy post ...	0	1	10										
Dark blue metal ...	0	1	4				<b>COAL</b> , cancell	Ft. In.					
Black stone, mixed							... 3 7						
with coal ...	0	0	6					0	3	10½			
<b>COAL</b> ...	0	1	8								7	0	0½
Black stone, mixed				1	0	10	Grey metal ...	0	1	0			
with coal ...	0	0	4				<b>COAL</b> , bottom ...	0	0	11			
Grey thill ...	0	1	1								0	1	11
Grey metal ...	1	4	3				In dark grey metal ...				0	0	3
Post girdle ...	0	0	11										
Blue stone ...	1	3	0										
Black stone, with													
mussel-scalp and													
girdle ...	0	1	0										
Carried forward	3	4	3	32	4	1	Total ...				40	0	3½

## No. 2,217.—WHITLEY.

TOWNSHIP OF WHITLEY, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

, Long.

Bored at Whitley, in Mr. Campbell's North Field, adjoining Mr. Hudson's.  
No. 6 Hole.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...	0	5	0				Brought forward				15	3	10
Clay, mixed with sand	0	4	0				White thill ...	0	0	9			
Brown post ...	3	0	5				Grey post, with water	2	4	0			
<b>COAL</b> ...	2	4					Blue stone with dun						
Dark grey metal 1	0						girdles ...	1	1	4			
<b>COAL</b> ...	1	5					Black stone, with						
				0	4	9	mussel-scalp girdle	0	1	4			
				5	2	2	Grey metal ...	0	1	3			
Grey thill ...	1	3	0				Mild white post, with						
Scamy post ...	6	3	0				water ...	1	0	5			
Blue metal ...	0	3	4				Blue metal ...	0	5	11			
Black stone, mixed							Black stone ...	0	1	5			
with coal ...	0	0	10										
Dark metal ...	0	2	0				<b>COAL</b> , cancell	Ft. In.					
<b>COAL</b> ...	0	2	0				... 3 8						
				9	2	2		0	3	11½			
Dark grey metal,											7	2	4½
mixed with post ...	0	3	7				Grey metal ...	0	1	6			
<b>COAL</b> ...	0	1	11				<b>COAL</b> , bottom ...	0	0	9			
				0	5	6	Grey thill ...	0	0	4			
Carried forward	15	3	10								0	2	7
							Total ...				23	2	9½

## No. 2,218.—WHITLEY.

TOWNSHIP OF WHITLEY, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

*Bored at Whitley, in North-east corner of Ben. Mitchell's Field, adjoining Huddleston, near Tynemouth. No. 7 Hole. October 27th, 1816.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay ...	...	0	5	8			Brought forward	16	1	8½	16	5	2½
Grey metal ...	...	1	0	10			<b>COAL</b> ...	...	0	0	8		
Blue metal ...	...	0	1	0							16	2	4½
Broken post ...	...	2	2	0			White post, with whin						
Blue metal ...	...	0	2	4			girdles ...	...	0	5	7		
<b>COAL</b> ...	...	0	2	10			Grey metal stone, with						
					5	2	post girdles ...	...	1	4	0		
White thill ...	...	0	1	10			Blue metal ...	...	0	2	6		
White post ...	...	2	1	0			Black stone, with spar						
Black stone ...	...	1	0	2			and ironstone gir-						
White post, with whin							dles ...	...	0	1	8		
girdles ...	...	7	0	0			Grey metal stone, with						
Blue metal ...	...	0	0	6			post girdles ...	...	1	5	8		
							Black stone ...	...	0	0	10		
<b>COAL</b> ...	Ft. In.												
White thill ...	2 7						<b>COAL</b> , splint,						
<b>COAL</b> ...	0 1½						and stone ...	...	0	9			
		0	5	0½			<b>COAL</b> — <i>Low</i>						
					11	2	<i>Main Coal</i>						
White thill ...	...	0	1	8½			<i>Seam</i> ...	...	3	9			
Blue metal ...	...	0	3	7							0	4	6
Grey metal ...	...	1	4	1							6	0	9
White post, with me-							Grey thill ...	...	0	0	3		
tal partings, whin							<b>COAL</b> , bottom	...	0	0	8		
girdles, and water	13	4	4								0	0	11
							White thill ...	...			0	0	10
Carried forward	16	1	8½	16	5	2½	Total ...	...			39	4	1

## No. 2,219.—WHITLEY.

TOWNSHIP OF WHITLEY, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

*Account of Strata bored through at Whitley, in a Trial Hole, from the Low Main Coal, J Pit, Old Cullercoats Colliery. December 1st, 1818.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Dark <i>coaly</i> thill ...	0	1	1				Brought forward				7	3	5
White post, with metal							Light grey thill ...	0	1	6			
partings ...	2	5	0				Dark grey metal ...	1	0	0			
White post, with whin							Light grey metal, with						
clyers ...	4	2	5				girdles ...	7	0	0			
<b>COAL</b> ...	0	0	11				White post, with me-						
				7	3	5	tal partings, whin						
							clyers, and water ...	8	4	8			
Carried forward				7	3	5	Carried forward	17	0	2	7	3	5



## No. 2,219.—WHITLEY.—CONTINUED.

Brought forward				Fs.	Ft.	In.	Fs.	Ft.	In.
Grey metal ...	...	...	...	17	0	2	7	3	5
Blue metal, with	...	...	...	0	3	1			
girdles ...	...	...	...	1	4	4			
Grey post ...	...	...	...	2	2	2			
Strong white post ...	...	...	...	7	0	2			
Grey metal ...	...	...	...	0	5	6			
COAL ...	...	Ft. In.	...	0	10½				
Dark band ...	...	...	...	0	6				
COAL ...	...	...	...	0	9½				
				0	2	2	29	5	7
White thill ...	...	...	...	0	2	5			
Grey metal ...	...	...	...	0	2	7			
White post ...	...	...	...	2	2	4			
Grey metal ...	...	...	...	0	2	6			
Grey post ...	...	...	...	2	0	0			
White post ...	...	...	...	1	1	11			
Grey post ...	...	...	...	0	2	9			
Carried forward	7	2	6	37	3	0			

Brought forward				Fs.	Ft.	In.	Fs.	Ft.	In.
COAL ...	...	Ft. In.	...	1	0½				
Dark band ...	...	...	...	0	8½				
COAL ...	...	...	...	0	5½				
				0	2	2½	7	4	8½
Dark band ...	...	...	...	0	0	7½			
White thilly metal ...	...	...	...	0	1	10			
COAL ...	...	...	...	0	0	10			
				0	3	3½			
Grey thill ...	...	...	...	0	4	5			
White post, with whin	...	...	...						
clyers ...	...	...	...	2	3	7			
Blue metal ...	...	...	...	0	0	4			
COAL, with swad ...	...	...	...	0	2	2½			
				3	4	6½			
White thill ...	...	...	...	0	1	2			
Grey metal stone (fin-	...	...	...						
ished Jan. 9th, 1819)	4	0	4						
				4	1	6			
Total ...	...	...	...	53	5	0½			

## No. 2,220.—WHITLEY.

TOWNSHIP OF WHITLEY, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

*Account of Sinking at Whitley A Pit. Begun April 16th, 1817.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset ... ..	2	0	0				Brought forward	19	4	6			
Soil and clay ...	0	4	4				Blue metal ... ..	0	3	0			
Sand, with water and							Black stone ... ..	0	0	8			
tumblers at the							<b>COAL</b> — <i>Low Main</i>						
bottom ... ..	1	0	0				<i>Seam</i> ... ..	0	3	0			
Blue clay ... ..	1	5	0								20	5	2
Grey metal stone ...	1	1	8				White thill ... ..	0	0	6			
Post, with partings,							Grey metal and post						
whin clyers, and							girdles ... ..	0	3	6			
water ... ..	8	2	6				Grey metal and post						
Blue metal ... ..	2	1	4				girdles ... ..	0	3	0			
Black stone and iron-							White post ... ..	0	3	0			
stone ... ..	0	1	8								1	4	0
Grey metal stone, with							Left off in whin, June						
post girdles and							4th, 1817.						
water ... ..	2	0	0										
Carried forward	19	4	6				Total ... ..				22	3	2

## No. 2,221.—WHITLEY.

TOWNSHIP OF WHITLEY, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

, Long.

*Account of Strata sunk through in the Engine Pit, at Whitley Park. The Pit is 10 feet 6 inches in diameter, and was begun October 11th, 1819.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset ... ..				1	4	6							
Soil and clay... ..	1	1	0										
Grey metal ... ..	2	5	0										
<b>COAL</b> , foul... ..	1	2											
Slaty band ... ..	0	1	$\frac{1}{2}$										
<b>COAL</b> ... ..	0	8	$\frac{1}{2}$										
				0	2	0							
							4	2	0				
Dark thill, with coal	0	1	0										
Grey metal stone, with ironstone girdles ...	1	1	0										
Grey post, with whin clyers ... ..	1	2	4										
Grey metal ... ..	0	1	0										
Post girdles ... ..	0	2	0										
Grey metal, with scamy post girdles ... ..	0	3	0										
Dark grey metal, with metal girdles ... ..	0	2	8										
<b>COAL—Yard Seam</b> ... ..	0	2	6										
							4	3	6				
Grey metal ... ..	0	3	3										
Scamy post, with water ... ..	1	3	6										
Black stone ... ..	1	0	6										
Grey metal ... ..	0	2	0										
Post girdles, with water ... ..	0	5	0										
Grey metal ... ..	0	1	6										
White scamy post, with whin clyers and water ... ..	8	1	3										
<b>COAL</b> ... ..	1	11											
Black stone ... ..	1	5											
<b>COAL</b> ... ..	1	3											
				0	4	7							
							13	3	7				
Grey thill ... ..	1	0	0										
Grey metal ... ..	0	5	0										
Scamy grey post ... ..	2	0	0										
Whin ... ..	0	3	0										
Carried forward	4	2	0	24	1	7							
Brought forward	4	2	0	24	1	7							
Scamy white post ... ..	0	5	5										
Dark thill and scares of coal on the top... ..	0	1	3										
Grey thill ... ..	0	3	0										
Dark grey metal ... ..	1	0	0										
Scamy grey metal ... ..	2	4	9										
Whin and post girdles, with water ... ..	1	3	6										
Scamy grey metal, with post girdles ... ..	3	4	6										
<b>COAL</b> in hade of dyke ... ..	0	0	6										
							15	0	11				
Whin girdles, with metal partings and water ... ..	1	1	3										
Blue metal, with ironstone girdles ... ..	1	2	0										
Scaling post, with grey metal partings ... ..	1	1	3										
Grey metal stone ... ..	0	0	10										
Scamy post girdles ... ..	0	0	9										
Grey metal, with girdles ... ..	1	0	4										
Black stone ... ..	0	1	0										
<b>Low Main Coal Seam—</b>													
<b>COAL</b> , top ... ..	0	4											
Black stone ... ..	0	2											
<b>COAL</b> , splint ... ..	0	2											
<b>COAL</b> ... ..	3	11											
				0	4	7							
							6	0	0				
Grey thill ... ..	0	0	5										
<b>COAL</b> , bottom ... ..	0	1	1										
Black thill stone ... ..	0	3	6										
Scamy grey post ... ..	2	0	0										
							2	5	0				
Total ... ..				48	1	6							

## No. 2,222.—WHITLEY.

TOWNSHIP OF WHITLEY, NORTHUMBERLAND.

Sheet 81 of Ordnance Map.

Lat.

Long.

*Account of Strata bored through in Whitley Engine Link Pit, from the bottom of the Low Main Coal Seam. 1823.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Grey thill ...	0	0	8				Brought forward	13	3	5	21	1	4
<b>COAL</b> , bottom ...	0	0	10				Grey post, with metal						
				0	1	6	partings ...	1	0	5			
Grey thill ...	0	1	6				Grey metal ...	0	3	11			
Grey post ...	1	3	0					Ft. In.					
White post, with whin							<b>COAL</b> ...	2	0				
clyers and metal							Dark metal ...	0	6½				
partings ...	3	4	0				<b>COAL</b> ...	0	11				
<b>COAL</b> ...	0	0	8						0	3	5½		
				5	3	2					15	5	2½
Light grey thill ...	0	2	0				Grey thill ...	0	2	5½			
Grey metal, with post							Grey metal ...	0	2	6			
girdles ...	5	4	4				White post, with water	1	4	2			
White post, with water	3	1	0				Grey metal ...	0	1	4			
Grey post, with metal							Grey post ...	0	5	0			
partings ...	1	3	0				White post ...	0	3	0			
White post, with water	4	2	0				Grey metal ...	0	4	2			
Grey metal, with coal								Ft. In.					
pipes ...	0	2	0				<b>COAL</b> ...	0	6½				
<b>COAL</b> ...	0	0	4				Band ...	0	1½				
				15	2	8	<b>COAL</b> ...	0	5				
Grey metal stone ...	0	1	4						0	1	1		
White post, with water											4	5	8½
and whin ...	3	1	10				Light grey thill ...	0	1	4			
Grey metal stone, with							Dark grey post ...	1	0	5			
post girdle...	1	4	9				White post ...	1	0	0			
Dark blue metal, with							Grey metal ...	0	1	7			
ironstone girdles ...	0	2	6				Whin ...	0	0	4½			
Black stone ...	0	0	3				Grey metal ...	0	2	0½			
Grey post, with metal							Dark grey post ...	1	5	2			
partings ...	1	2	1				Dark grey metal ...	0	1	6			
White post, with metal							<b>COAL</b> ...	0	0	4			
partings ...	1	1	8								5	0	9
Light grey metal ...	0	2	6				Dark grey thill ...	0	1	1			
Strong grey post, with							Grey post ...	1	2	4			
partings ...	1	3	6				Grey metal ...	0	1	1			
Grey metal stone, with							<b>COAL</b> ...	0	1	9			
post girdles ...	2	4	1								2	0	3
Strong white post,							Left off in white thill				0	1	9
with whin...	0	2	11										
Carried forward	13	3	5	21	1	4	Total ...				49	3	0

## No. 2,223.—WHITLEY.

TOWNSHIP OF WHITLEY, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

*No. 1, Monkseaton Royalty. Trial Hole in Whitley Park, 10 yards North of the Waggonway, against the West side of the Park. Begun February 6th, and finished February 7th, 1832.*

Approximate surface level feet above sea (Ordnance datum).

						Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay ...	...	...	...	...	...	1	1	8			
Strong blue gravelly clay ...	...	...	...	...	...	2	2	9			
<b>COAL</b> ...	...	...	...	...	Ft. In.	0	6				
Grey thill ...	...	...	...	...	...	1	5				
<b>COAL</b> , mixed with grey metal ...	...	...	...	...	...	0	7				
								0	2	6	
Grey metal ...	...	...	...	...	...				4	0	11
									0	3	7
Total ...	...	...	...	...	...				4	4	6

## No. 2,224.—WHITLEY.

TOWNSHIP OF WHITLEY, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

*No. 2. Trial Hole for the High Main Coal Seam, 45 yards South of the Waggonway, near the Lane, against the West side of Whitley Park, and 270 yards South 33 West from the Engine Pit. Begun February 7th, finished February 16th, 1832.*

Approximate surface level feet above sea (Ordnance datum).

		Fs.	Ft.	In.	Fs.	Ft.	In.			Fs.	Ft.	In.	Fs.	Ft.	In.	
Soil and clay...	...	1	1	3				Brought forward		10	3	11				
Sand and gravel	...	0	2	0				<i>High Main Coal</i>								
Strong blue clay	...	0	2	9				<i>Seam—</i>								
Grey metal	...	1	4	7					Ft. In.							
Post girdles, with								<b>COAL</b> , tender		2	10					
metal partings	...	0	5	8				Dark band	...	0	3					
Post	...	4	5	9				<b>COAL</b>	...	1	11					
Grey metal stone, with												0	5	0		
post girdles	...	0	5	11				<b>COAL</b> , ground		1	9					
								White thill	...	0	9					
								<b>COAL</b> , bottom		2	9					
												0	5	3		
														12	2	2
								Left off in dark grey								
								thill	...	...				0	0	3
Carried forward		10	3	11				Total	...	...				12	2	5



## No. 2,225.—WHITRIDGE.

TOWNSHIP OF WHITRIDGE, NORTHUMBERLAND.

Sheet 62 of Ordnance Map. Lat. \_\_\_\_\_, Long. \_\_\_\_\_

*Bored at Whitridge, near the Bog, near the South-east corner of the Field.*

Approximate surface level \_\_\_\_\_ feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	1	0				Brought forward	2	1	6	12	0	11
Clay, mixed with sand							Grey post ... ..	0	1	0			
and water ... ..	2	0	0				Whin ... ..	0	0	11			
Stony clay ... ..	1	5	0				Blue metal ... ..	1	2	3			
White post ... ..	0	2	6				Grey metal, with scares						
Grey metal stone ...	1	1	0				of coal ... ..	0	1	0			
<b>COAL</b> ... ..	0	8					Grey metal ... ..	0	1	0			
Grey, brown, and blue							Black stone ... ..	0	0	6			
scamy metal 0 3							<b>COAL</b> ... ..	0	0	6			
<b>COAL</b> , with											4	2	8
some small							Dark grey metal ...	0	1	0			
bands of metal 0 2							Grey metal stone ...	0	5	0			
	0	1	1				Blue grey metal ...	3	4	0			
				5	4	7	<b>COAL</b> , with						
Soft grey metal, with							brown scames 1 8						
scares of coal ...	0	1	0				<b>COAL</b> , with						
Grey metal stone ...	0	5	5				brass lumps						
Grey and white post,							or scare bands 0 3						
with water ... ..	3	3	0				<b>COAL</b> , with						
Grey metal ... ..	1	0	0				brown scames 0 7						
<b>COAL</b> ... ..	0	0	3					0	2	6			
				5	3	8					5	0	6
Grey metal ... ..	0	3	9				In grey metal stone...				0	0	7
<b>COAL</b> ... ..	0	0	11										
				0	4	8							
Grey metal ... ..	2	1	6										
Carried forward	2	1	6	12	0	11	Total ... ..				21	4	8

## No. 2,226.—WHITRIDGE.

TOWNSHIP OF WHITRIDGE, NORTHUMBERLAND.

Sheet 62 of Ordnance Map. Lat. \_\_\_\_\_, Long. \_\_\_\_\_

*Bored in Whitridge Estate about 70 yards South from the Farm House.*

Approximate surface level \_\_\_\_\_ feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	1	0				Brought forward				1	0	2
Stony clay ... ..	0	5	0				Blue metal ... ..	0	4	6			
<b>COAL</b> ... ..	0	0	2				Brown gully post,						
				1	0	2	with water ... ..	0	3	0			
Carried forward				1	0	2	Carried forward	1	1	6	1	0	2

## No. 2,226.—WHITRIDGE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	1	6	1	0	2	Brought forward	3	2	10	3	4	8
Blue metal ...	0	1	4				Grey metal ...	1	3	0			
<b>COAL</b> ...	0	0	9				Black stone, mixed						
				1	3	7	with coal ...	0	4	0			
Blue grey metal ...	1	0	0				Blue grey metal ...	3	1	8			
<b>COAL</b> ...	0	0	11				Soft blue grey metal	0	0	6			
				1	0	11	<b>COAL</b> , with scarcs of						
Grey metal ...	0	1	10				brass and brown						
Grey post, with water	0	2	0				scames ...	0	1	9			
Blue grey metal ...	1	3	0								9	1	9
White post, mixed with							In white grey metal...				0	0	7
whin and water ...	1	2	0										
Carried forward	3	2	10	3	4	8	Total ...				13	1	0

## No. 2,227.—WHITRIDGE.

TOWNSHIP OF WHITRIDGE, NORTHUMBERLAND.

Sheet 62 of Ordnance Map. Lat.

, Long.

*Bored about 128 yards down the level from the Old Winning near Whitridge.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward				6	1	0
Strong clay ...	0	3	6				Grey and blue metal...	2	0	0			
Blue metal ...	0	4	6				White gully post,						
White, brown, and							with water ...	0	3	7			
grey post, with							Blue grey metal ...	2	0	0			
scamy partings ...	1	4	0				Grey post, with water	0	3	0			
Grey metal ...	1	1	6				Blue grey metal ...	3	5	0			
<b>COAL</b> ...	0	0	8				<b>COAL</b> , with water and						
				4	3	2	brown scames, and						
Grey metal, with water	0	2	9				some small scarcs of						
Black and grey metal,							brass near the bottom	0	3	2			
with scarcs of coal	0	0	6								9	2	9
Grey metal ...	0	0	6				In blue grey metal ...				0	0	9
<b>COAL</b> ...	0	0	4										
				0	4	1							
Blue grey metal ...	0	4	9										
<b>COAL</b> ...	0	1	0										
				0	5	9							
Carried forward	6	1	0				Total ...				15	4	6

## No. 2,228.—WHITTINGHAM.

TOWNSHIP OF WHITTINGHAM, NORTHUMBERLAND.

Sheet 30 of Ordnance Map. Lat.

, Long.

*First Place bored at Whittingham, about 70 yards to the North-west from the Old Tower, near the water side.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and Gravel ...	0	1	0				Brought forward	11	1	0	0	1	0
				0	1	0	Blue and grey scamy metal, with whin girdles or lumps ...	3	0	0			
Brown, white, and grey post, with brown scames ...	1	3	0				Strong grey girdles, with greenish grey cashy partings and water ...	1	3	0			
Grey, brown, and blue ramby metal, with some small scames of coal, coal pipes, and water ...	0	0	6				Blue metal ...	0	3	0			
White and grey post...	0	1	6				Grey post girdle, with blue metal partings	1	0	0			
Grey and brown scamy post, with black scames or partings, with some sparkles of coal ...	0	3	0				Soft red, brown, and grey metal...	0	3	0			
Grey post, with brown scamy partings ...	1	2	3				Strong grey stone, mixed with whin ...	0	1	6			
Blue and grey metal, with girdles, cat-heads, and water ...	2	0	0				Grey and blue metal, with strong girdles	1	5	0			
Whin ...	0	1	0				Strong blue limestone and whin ...	0	0	9			
Grey metal ...	0	0	9				Blue and grey metal, with girdles ...	1	1	0			
Whin girdles, with grey metal partings	0	2	0				Whin, with water ...	0	1	0			
Whin ...	0	2	8				Blue metal ...	0	1	0			
A grey metal parting	0	0	4				White post, mixed with whin ...	0	2	0			
Whin ...	0	2	0				Blue metal, with whin girdles ...	0	2	0			
Grey metal ...	2	0	0				Whin or limestone ...	0	1	4			
Strong grey scamy girdles, with water	0	3	0				A cashy parting ...	0	0	3			
Strong blue limestone or whin ...	0	3	0				In whin or limestone	0	0	4			
Grey girdles, with blue metal partings and water ...	1	0	0								22	2	2
Carried forward	11	1	0	0	1	0	Total ...				22	3	2

## TOWNSHIP OF GREAT WHITTINGTON, NORTHUMBERLAND.

*Account of boring near Whittington, the property of Sir Edward Blackett.  
April 3, 1845.*

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	1	0				Brought forward	2	0	0	16	3	0
Freestone ramble ...	0	4	0				Dark brown metalstone	1	4	0			
Brown and grey post, with metal partings	3	0	0				Ft. In.						
Dark metal ... ..	1	2	0				COAL ... ..	0	3				
Grey post, with a little water ... ..	1	1	7				Brass band ... ..	0	2				
Dark metal ... ..	3	1	5				COAL ... ..	0	1				
Hard blue limestone ..	1	3	0				Dark metal ... ..	0	1 $\frac{1}{2}$				
Metal parting ... ..	0	1	6				COAL, but will not cinder ... ..	1	9				
Limestone ... ..	4	3	6							0	2	4 $\frac{1}{2}$	
Dark brown metal ...	0	1	6									4	0
													4 $\frac{1}{2}$
							Dark brown metal and metal stone, with girdle ... ..	2	1	0			
COAL ... ..	0	4					Strong white post ...	1	2	0			
Black metal ... ..	0	4					Whin ... ..	0	1	2			
COAL, slaty 0 10							Grey post ... ..	0	4	0			
							Black metal ... ..	0	0	6			
							White post ... ..	1	3	0			
Strong grey post ...	0	4	0				In strong white lime- stone ... ..	0	2	11			
Dark grey post, with whin girdles and water ... ..	1	2	0										6
													2
													7
Carried forward	2	0	0	16	3	0	Total ... ..				26	5	11 $\frac{1}{2}$

## TOWNSHIP OF WHITTLE, NORTHUMBERLAND.

*Bored from the surface in Whittle Low Wood, near Chester Burn.*

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
The box ...	...	0	3	0			Brought forward	12	3	0			
Sand and clay ...	...	0	3	0			Grey post, with threads						
Blue stony clay ...	...	4	4	0			and water ...	2	4	0			
Blue metal ...	...	0	5	0			White post, with						
Grey metal ...	...	1	2	0			threads and water	2	1	0			
Black metal ...	...	0	1	0			Grey metal, with <i>coal</i>						
Grey metal, mixed with							<i>pipes</i> and water ...	0	1	0			
grey girdles ...	...	4	3	0									
Carried forward	12	3	0				Carried forward	17	3	0			



## No. 2,230.—WHITTLE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	17	3	0				Brought forward	1	5	0	26	0	8
White post, with threads and water	1	0	0				Grey thill ...	0	1	6			
Grey scamy post, with threads and water	1	3	0				Grey post, with water	2	4	6			
Grey metal, with coal pipes and water	0	0	9				White post, with water	2	0	0			
White post, with threads and water	1	5	3				<b>COAL</b> ...	0	2	6	7	1	6
Grey scamy post	0	3	0				Grey thill ...	0	1	0			
Grey post	3	0	0				Grey post	2	1	0			
Grey metal	0	0	6				Grey metal	1	4	0			
<b>COAL</b>	0	3	2	26	0	8	Whin ...	0	1	0			
Strong white post	1	3	0				Grey post	0	2	0			
Black metal, with coal pipes	0	2	0				Grey metal, with water	3	5	0			
Carried forward	1	5	0	26	0	8	White post, with girdles	0	2	0			
							Grey metal	0	4	0			
							Blue metal	1	0	0			
							<b>COAL</b>	0	4	8	11	0	8
							Total				44	2	10

## No. 2,231.—WHITTLE.

TOWNSHIP OF WHITTLE, NORTHUMBERLAND.

Sheet 95 of Ordnance Map. Lat. Long.

*Bored in the Rye Hill Pit, in Whittle Estate, by Messrs. Wake.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Depth of the pit from the surface to the coal	17	1	0				Brought forward	16	0	0	17	5	10
<b>COAL</b> (thickness of)	0	4	10	17	5	10	Grey metal, with whin girdles	1	3	0			
White thill	0	1	6				White post, with scames	3	2	0			
White and brown post	0	1	6				Grey cash partings, with water	0	0	4			
Blue metal	0	1	6				White post	0	3	0			
White post	0	5	0				Grey metal	0	0	8			
Blue metal	1	5	6				White post	0	3	0			
White post	0	4	6				Whin stone	0	0	9			
Strong iron girdles	0	1	6				White post, with coal pipes and water	0	4	0			
Blue metal	1	2	0				Grey metal, with white post girdles	1	0	7			
Grey metal post girdles	3	5	0				White post	0	1	0			
Grey scamy post	0	3	0				Grey post	0	1	0			
White post	0	3	0				<b>COAL</b>	0	3	2	24	4	6
White post, mixed with whin	0	1	6				Grey post	2	1	6			
White and brown post, with threads	0	4	0				White post, with water	3	5	0			
White post	1	0	0				Grey metal	0	1	0			
White scamy post	2	0	0				<b>COAL</b>	0	4	3	6	5	9
Brown post	0	1	6				Total				49	4	1
White post	1	1	0										
Carried forward	16	0	0	17	5	10							

## No. 2,232.—WHITWELL.

TOWNSHIP OF WHITWELL HOUSE, DURHAM.

Sheet 27 of Ordnance Map. Lat. 54° 45' 26", Long. 1° 37' 8".

*An Account of Strata sunk through in A Pit, Whitwell Colliery. Sinking begun 2nd May, 1836; got the Hutton Seam 21st June, 1837.*

Approximate surface level 260 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset ... ..				2	5	0	Brought forward	12	4	6	28	0	7
Soil ... ..	0	2	0				Grey metal ... ..	0	0	10			
Loamy clay ... ..	1	4	0				<i>Low Main Seam—</i>						
Blue clay ... ..	1	4	5										
Sand, with water (9 ft. on south-east side of pit; run out to nothing on north-west side) ... ..	0	4	6				COAL, good... 2 7½						
Strong blue clay ... ..	1	3	0				COAL, splinty 0 4½						
Brown and blue leafy clay ... ..	7	0	0					0	3	0			
Strong blue clay ... ..	4	0	0								13	2	4
Strong blue clay, with small stones ... ..	1	1	0				Grey metal and post girdles ... ..	0	3	10			
				18	0	11					1	1	3
Grey metal, very soft and jointy ... ..	1	1	0				White post ... ..				1	1	3
Grey metal stone ... ..	0	3	3								3	0	2
Post girdle ... ..	0	0	10				Grey metal stone ... ..	3	0	2			
Dark blue metal, with post girdles (wedge curb laid 1 ft. 3 in. into this stone, and walled off) ... ..	1	2	8				COAL, foul... ..	0	0	4			
Black stone ... ..	0	0	6								6	0	10
COAL ... ..	0	0	9				Grey metal ... ..	0	1	0			
				3	3	0	White post, mixed with metal ... ..	1	2	3			
Grey thill ... ..	0	3	6				Dark metal ... ..	0	1	7			
Grey metal ... ..	2	3	6				<i>Brass Thill Seam—</i>						
Dark metal, scared with post ... ..	0	2	0										
COAL ... ..	0	0	8				COAL ... 0 9						
				3	3	8	Grey metal... 2 9						
Thill ... ..	0	4	4				COAL ... 0 5						
Dark metal ... ..	0	1	4					0	3	11			
Post girdle ... ..	0	0	10								2	2	9
Grey metal (standing set bunton) ... ..	0	2	0				Thill ... ..	0	1	4			
Strong white post, very jointy (water, 270 galls. per minute)... ..	11	2	0				Grey metal, with post girdles ... ..	1	1	0			
							White post ... ..	2	1	6			
Carried forward	12	4	6	28	0	7	Grey metal, with post girdles ... ..	4	0	2			
							<i>Hutton Seam—</i>						
							COAL, good 4 4½						
							Band ... 0 0½						
							COAL, bottom 1 9						
								1	0	2			
											8	4	2
							Grey metal ... ..				2	0	0
							Tota ... ..				60	4	8

\* Approximate sea level (Ordnance datum).

## No. 2,233.—WHITWELL.

TOWNSHIP OF WHITWELL HOUSE, DURHAM.

Sheet 27 of Ordnance Map. Lat.

Long.

*Account of a boring below Hutton Seam at Whitwell Colliery, at a point 4 chains Eastward of the A Pit (bottom of Staple). March, 1851.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Grey metal, with iron-stone girdles ...	6	2	0			
White post, with water	0	2	6			
Whin girdles, with water and gas ...	0	1	5			
Grey metal ...	2	2	6			
White post girdles ...	0	1	0			
White metal partings	0	0	4			
White post, with thin partings ...	0	4	5			
Grey metal, with thin girdles ...	3	1	10			
Grey post girdles ...	0	0	9			
Grey metal ...	1	2	5			
<b>COAL</b> , foul, with gas	0	0	4			
				15	1	6
Soft thill ...	0	2	1			
White post ...	0	4	2			
Strong grey metal, with post girdles ...	2	2	4			
Strong white post girdles ...	0	1	9			
Strong grey metal ...	1	0	3			
<b>COAL</b> ...	0	1	2			
				4	5	9
Soft grey metal ...	2	5	0			
Black partings, with strong blower of gas	0	1	6			
Light grey metal ...	0	2	6			
Strong white post ...	1	1	0			
Strong grey metal stone, with thin post girdles ...	2	4	8			
Strong white post ...	0	4	0			
<b>COAL</b> ...	0	0	6			
				8	1	2
Grey metal stone, with thin girdles ...	2	0	0			
Strong white post, with balls of whin ...	6	4	0			
Grey metal stone ...	0	5	0			
Black stone ...	0	0	3			
Carried forward	9	3	3	28	2	5

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	9	3	3	28	2	5
Grey metal stone, approaching to post...	0	4	1			
White post, with thin partings ...	1	3	6			
Grey metal stone ...	0	4	3			
<b>COAL</b> , good and strong ...	0	1	7½			
				12	4	8½
Very light grey metal, gradually inclining to post ...	0	2	7½			
Strong white post ...	6	1	0			
Strong gritty brown post ...	0	4	0			
Dark grey parting ...	0	0	3			
White post girdle ...	0	1	0			
Grey post, mixed with metal ...	0	1	0			
White post ...	0	2	3			
Grey metal ...	0	0	3			
Grey post ...	0	1	8			
Grey metal ...	0	0	3			
Whin ...	0	0	3			
Bluish grey metal stone	0	5	5			
Brown metal...	0	0	7			
Black metal ...	0	0	7			
<b>COAL</b> , coarse, slaty	0	0	10			
				9	3	11½
Grey metal stone ...	1	2	0			
Dark metal ...	0	0	6			
Grey metal stone ...	0	3	0			
Grey post ...	0	0	11			
Grey metal stone ...	0	0	9			
Post girdles ...	0	0	3			
Grey metal stone ...	0	0	10			
Dark blue metal ...	0	0	6			
Ironstone girdle ...	0	0	6			
Dark brown metal ...	0	1	2			
Dark reddish brown metal ...	0	0	4			
Grey metal ...	0	2	3			
Post, with grey metal stone ...	0	1	5			
Carried forward	3	2	5	50	5	0½

## No. 2,233.—WHITWELL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	2	5	50	5	0 $\frac{3}{4}$	Brought forward	11	5	5	50	5	0 $\frac{3}{4}$
Grey metal stone, with							Metal stone ...	0	1	2			
post girdles ...	2	4	0				Whin ...	0	0	6			
White post girdle ...	0	0	4				White post ...	0	0	5			
Grey metal stone ...	0	1	5				Grey metal stone ...	1	4	2			
White post girdle ...	0	0	3				White post ...	0	1	10			
Grey metal stone ...	0	0	9				Soft parting, with						
White post ...	0	0	10				sulphur ...	0	0	7			
Grey metal stone ...	0	1	3				Grey metal stone ...	2	2	5			
White post ...	0	0	8				Post ...	1	0	0			
Grey metal parting ...	0	0	3				Whin ...	0	1	6			
Strong white post ...	0	5	0				White post ...	1	5	8			
Strong white post ...	2	1	2				Whin into ...	0	1	0			
Grey metal, and metal											20	0	8
stone ...	1	4	2										
Whin girdle ...	0	0	2										
Dark metal ...	0	0	9										
Carried forward	11	5	5	50	5	0 $\frac{3}{4}$	Total depth below Hutton Seam	70	5	8 $\frac{3}{4}$			

## No. 2,234.—WHITWELL.

TOWNSHIP OF WHITWELL HOUSE, DURHAM.

Sheet 27 of Ordnance Map. Lat. , Long.

*Boring at Whitwell Colliery below the Hutton Seam, made close to a deeper hole  
70 fathoms 5 feet 5 $\frac{3}{4}$  inches at the bottom of a staple 4 chains Eastward  
of A Pit, by G. Stott. September and October, 1866.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Grey metal ...	5	5	3				Brought forward	3	4	8	15	2	1
Post ...	2	2	3				Grey metal ...	0	5	1			
Grey metal, with post							<b>COAL</b> ...	0	1	5			
girdles ...	0	4	6								4	5	2
Grey post ...	1	1	9				Metal ...	2	5	6			
Grey metal ...	3	2	3				Grey metal, with black						
Blue metal ...	1	3	9				girdles ...	0	2	11			
<b>COAL</b> ...	0	0	4				Post ...	1	1	8			
				15	2	1	Grey metal ...	1	2	0			
Grey metal ...	0	3	0				Grey post ...	1	4	3			
White post ...	0	3	0				Grey metal ...	0	0	8			
Grey metal, with post							Black metal and coal	0	0	6			
girdles ...	2	1	2				Into grey post ...	1	5	3			
White post ...	0	3	6								9	4	9
Carried forward	3	4	8	15	2	1	Total ...				30	0	0



## No. 2,235.—WHITWELL.

TOWNSHIP OF WHITWELL HOUSE, DURHAM.

Sheet 27 of Ordnance Map. Lat. , Long.

*Borehole below Hutton Seam at Whitwell Colliery, South of A Pit and in Wagonway.*

Approximate surface level feet above sea (Ordnance datum).

		Fs.	Ft.	In.	Fs.	Ft.	In.			Fs.	Ft.	In.	Fs.	Ft.	In.
Grey metal	...	...	4	0	0			Brought forward					15	0	7
Post	...	...	2	3	0			Seggar	...	...	0	1	5		
Grey metal	...	...	0	1	0			Grey metal and post							
Post	...	...	0	2	0			girdles	...	...	2	3	5		
Grey metal and post								Post	...	...	1	1	7		
girdles	...	...	1	2	0			Grey metal and post							
Post	...	...	0	2	6			girdles	...	...	0	4	5		
Grey metal	...	...	0	1	6			Black metal	...	...	0	0	2 $\frac{1}{2}$		
Grey metal and post								COAL	...	...	0	1	4 $\frac{3}{4}$		
girdles	...	...	0	5	3								5	0	5
Post	...	...	0	1	10			Seggar	...	...			0	5	5
Metal and post girdles			4	3	7										
Blue metal	...	...	0	1	9										
COAL	...	...	0	0	2										
						15	0	7							
Carried forward						15	0	7	Total	...	...		21	0	5

Hole stopped 19th October, 1867.

## No. 2,236.—WHITWELL.

TOWNSHIP OF WHITWELL HOUSE, DURHAM.

Sheet 27 of Ordnance Map. Lat. 54° 45' 4", Long. 1° 30' 51".

*Strata sunk through in the Whitwell 'B' Pit. 1838.*

Approximate surface level 349 feet above sea (Ordnance datum).

		Fs.	Ft.	In.	Fs.	Ft.	In.			Fs.	Ft.	In.	Fs.	Ft.	In.		
Blue clay	...	...	5	1	0			Brought forward					21	2	10		
Sand	...	...	3	5	0			Thill	...	...	0	4	0				
Sand and water	...	...	1	3	0			Blue metal stone	...	...	0	5	5				
Clay	...	...	3	2	0			Dark grey metal	...	...	0	3	1				
Sand and water	...	...	1	1	9			<b>COAL</b> , good— <i>Main</i>									
Clay	...	...	1	2	0			<i>Coal Seam</i>	...	...	0	3	11				
Sand and water	...	...	0	5	7								2	4	5		
Clay	...	...	0	1	8			Thill stone	...	...	0	2	1				
						17	4	0	Grey metal stone	...	...	9	2	7			
Blue metal stone	...	...	1	0	0			<b>COAL</b>	...	...	0	0	4				
Grey metal stone	...	...	2	3	0								9	5	0		
<b>COAL</b> , with a band...	...	...	0	1	10			Thill stone	...	...	0	1	7				
						3	4	10	Grey metal stone	...	...	1	4	0			
Carried forward						21	2	10	Carried forward			1	5	7	34	0	3

## No. 2,236.—WHITWELL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward	1	5	7	34	0	3		Brought forward	6	3	2	47	5	2
Dark grey stone ...	0	0	5					<b>COAL</b> ...	0	0	9			
Grey metal stone ...	0	0	5									6	3	11
Dark grey stone, mixed with brass bands ...	0	0	5					Thill stone ...	0	0	9			
<b>COAL</b> ...	0	0	4					Grey metal stone ...	1	3	6			
				2	1	2								
Thill stone ...	0	0	11					<b>COAL</b> ...	0	9				
Grey leafy post ...	0	2	8					Dark grey stone	2	10				
Post girdle ...	0	0	4					<b>COAL</b> ...	0	3				
Grey leafy post ...	0	1	8								0	3	10	
Post girdle ...	0	1	4										2	2
Dark grey stone ...	1	0	1					Grey girdle ...	{	1	1	10		*
Grey post ...	1	5	1								0	1	4	
White post girdle ...	0	2	6					White post ...	...	0	5	4		
Brown post ...	6	0	0					Red post ...	...	0	2	3		
Grey post girdle ...	0	2	4					Grey metal stone ...	...	0	2	5		
Brown post ...	0	2	0					Blue metal stone ...	...	0	3	4		
<b>COAL</b> — <i>Low Main</i>								Grey metal stone ...	...	2	5	3		
<i>Seam</i> ...	0	2	10					<i>Hutton Seam</i> —	Ft. In.					
				11	3	9		<b>COAL</b> ...	1	11½				
Thill stone ...	0	1	6					Stone ...	1	3				
Blue metal stone ...	0	1	0					<b>COAL</b> ...	3	3				
Grey metal stone ...	1	4	7								1	0	5½	
Strong grey post ...	1	5	10										7	4
Grey metal stone ...	2	2	3					Thill stone ...					0	5
														2
Carried forward	6	3	2	47	5	2		Total ...					65	2
													6½	

\* Approximate sea level (Ordnance datum).

## No. 2,237.—WHITWELL.

TOWNSHIP OF WHITWELL HOUSE, DURHAM.

Sheet 27 of Ordnance Map. Lat. , Long.

*Borehole by George Stott, on Whitwell Royalty, about 20 yards West of the East hedge of the Field behind Whitwell House and close to the South hedge.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...	1	3	0			
Sand and water ...	3	0	0			
Clay and bars of sand ...	8	5	10			
Sand, with water ...	0	1	2			
Ramble ...	0	2	0			
Grey metal ...	0	2	8			
				14	2	8
Tota ...	14	2	8			

## No. 2,238.—WHITWELL.

TOWNSHIP OF WHITWELL HOUSE, DURHAM.

Sheet 27 of Ordnance Map. Lat.

Long.

*Borehole by W. Weatherburn, on Whitwell Royalty, 3 chains East of the East corner of the Arch into Mr. Lowes' Field Yard at Whitwell West House.  
13th May, 1855.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	1	6				Brought forward	13	0	10			
Clay ... ..	0	4	0				Loamy clay, with						
Dry sand ... ..	1	0	0				scars of coal ...	0	1	2			
Loamy clay ... ..	0	0	8								13	2	0
Sand, with water ...	0	1	2				Stony clay ... ..	0	2	2			
Loamy clay ... ..	0	4	7				<b>COAL</b> , foul ... ..	0	0	7			
Sand, with clay part-											0	2	9
ings, with water ...	0	2	11				Light grey metal ...	0	2	2			
Loamy clay ... ..	2	2	5				Dark grey metal ...	0	1	3			
Strong blue clay ...	2	3	5				<b>COAL</b> , foul ... ..	0	0	6			
Strong loamy clay ...	4	1	5								0	3	11
Strong stony clay ...	0	2	9				Light grey metal ...				2	5	1
Carried forward	13	0	10				Total ... ..				17	1	9

## No. 2,239.—WHITWELL.

TOWNSHIP OF WHITWELL HOUSE, DURHAM.

Sheet 27 of Ordnance Map. Lat. 54° 45' 11", Long. 1° 31' 3".

*Strata sunk through at Whitwell C Pit. Begun 12th November, 1855; reached Main Coal Seam 26th December, 1855; reached Low Main Seam 24th March, 1856.*

Approximate surface level 300 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	1	0				Brought forward	5	2	8			
Soft yellow clay ...	0	4	6				Strong brown clay,						
Dry sand ... ..	0	0	6				with sandy partings	6	4	6			
Strong blue clay ...	1	0	0				Soft grey metal, with						
Dry sand ... ..	1	2	0				ironstone girdles and						
Sand, with water (10							coal pipes ... ..	4	1	2			
galls. per minute)...	2	0	8										
Carried forward	5	2	8				Carried forward	16	2	4			

## No. 2,239.—WHITWELL.—CONTINUED.

Brought forward				Fs.	Ft.	In.	Fs.	Ft.	In.
				16	2	4			
<i>Five-Quarter Seam—</i>									
				Ft.		In.			
COAL	...	0	11						
Blue metal									
band	...	0	2						
COAL	...	0	7						
				0	1	8			
				—————		16	4	0	
Black metal, mixed									
with coal bands	...	0	0	9					
Soft grey metal thill,									
with ironstone balls	...	0	3	3					
Soft blue metal	...	1	1	0½					
Soft black metal	...	0	0	11					
COAL— <i>High Main</i>									
Seam	...	0	3	10½					
				—————		2	3	10	
Soft grey metal thill	...	0	1	7					
Strong grey metal, with									
ironstone balls	...	1	5	4					
Sort blue metal	...	0	1	5					
COAL	...	0	0	1½					
				—————		2	2	5½	
Strong grey metal	...	1	2	0					
Strong grey post	...	0	1	0					
Strong grey metal	...	1	4	1					
Whin girdle	...	0	1	0					
Strong grey metal	...	3	1	4					
COAL	...	0	0	5					
				—————		6	3	10	
Soft grey metal thill									
stone	...	0	1	6					
Strong grey metal									
stone	...	2	1	4					
Soft black stone	...	0	1	0					
COAL	...	0	0	6					
				—————		2	4	4	
Soft grey metal thill									
stone	...	0	1	11					
Strong grey post stone	...	3	0	9					
Strong white post, with									
black metal partings	...	7	3	5					
Carried forward	11	0	1	31	0	5½			

Brought forward				Fs.	Ft.	In.	Fs.	Ft.	In.
				11	0	1	31	0	5½
<i>Low Main Seam—</i>									
				Ft.		In.			
COAL	...	2	2						
Dark metal									
band	...	0	4½						
COAL, bot-									
tom	...	0	3½						
				—————		0	2	10	
				—————		11	2	11	
Soft grey post thill									
stone	...	0	5	7					
Strong white post,									
with metal partings	...	3	2	2					
Soft grey metal stone	...	0	2	6					
				—————		4	4	3	
				—————		47	1	7½	
<i>Bored further:—</i>									
Strong grey metal,									
with ironstone balls	...	1	1	9					
Strong grey metal, with	...	1	2	7½					
white post girdles...	...	0	2	2½					
COAL	...	0	0	6					
				—————		3	1	1	
Strong grey post thill									
stone	...	0	1	5					
Strong grey metal									
stone	...	0	3	0					
Strong white post,									
stone	...	0	3	9					
Strong grey post stone	...	1	0	3					
Strong white post, with									
whin and metal	...	6	1	0					
partings	...	6	1	0					
COAL— <i>Hutton Seam</i>									
(about)	...	0	4	2					
				—————		9	1	7	
Total	...	...	59	4	3½				

\* Approximate sea level (Ordnance datum).



## No. 2,240.—WHITWELL.

TOWNSHIP OF WHITWELL HOUSE, DURHAM.

Sheet 27 of Ordnance Map. Lat.

, Long.

*Account of Strata bored through in Whitwell Grange Estate, about the middle of the Long Field. Begun January 27th, finished April 22nd, 1836.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	1	3				Brought forward				44	3	6
Brown and blue leafy clay, scared with sand and a siping of water ... ..	2	2	0				Grey metal ... ..	0	1	2			
Sand, with a siping of water ... ..	0	0	6				White post, with metal partings ... ..	1	2	8			
Blue leafy clay, scared with sand ... ..	11	1	3				Dark metal ... ..	0	1	7			
Brown leafy clay ... ..	4	2	0				<b>COAL</b> ... ..	0	0	8			
				18	1	0					2	0	1
Grey metal, with post girdles ... ..	3	2	0				Grey metal ... ..	0	2	10			
Dark metal, mixed with coal ... ..	0	1	6				<b>COAL</b> ... ..	0	0	4			
Grey metal ... ..	0	2	0								0	3	2
Grey metal stone ... ..	3	1	6				Grey metal ... ..	0	1	6			
Black metal ... ..	0	1	0				Grey metal, with post girdles ... ..	1	0	5			
Grey metal ... ..	0	3	3				White post ... ..	2	1	9			
White and brown post	1	1	3				Dark grey metal, with post girdles ... ..	4	0	5			
Whin ... ..	0	1	0				<i>Hutton Seam—</i> Ft. In.						
Strong white post, with whin girdles and water ... ..	10	2	6				<b>COAL</b> , good	4	3	$\frac{1}{2}$			
Grey metal stone ... ..	0	1	0				<b>COAL</b> , foul	0	1	$\frac{1}{2}$			
<b>COAL</b> ... ..	0	2	8				Hard knot or band ... ..	0	1				
				20	1	8	<b>COAL</b> , coarse	1	7				
Brass, mixed with metal ... ..	0	0	5							1	0	1	
Grey metal, mixed with post girdles ... ..	0	3	10								8	4	2
White post, with soft partings and water	2	2	2				Grey metal stone ... ..				0	1	7
Grey metal stone ... ..	3	0	1										
<b>COAL</b> , foul... ..	0	0	4										
				6	0	10							
Carried forward				44	3	6	Total ... ..				56	0	6

## No. 2,241.—WHITWORTH.

TOWNSHIP OF WHITWORTH, DURHAM.

Sheet 34 of Ordnance Map. Lat. , Long.

*Account of the Boring in a Coal-pit near Whitworth. Copy of Mr. Maddison's Account, January 13th, 1829.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk about ...				13	0	0	Brought forward	5	3	11	26	1	10
<i>Small coals</i> and rub-							Grey metal stone ...	1	0	9			
bish ...	0	2	4				<b>COAL</b> , foul... ..	0	0	2			
Grey metal stone, with											1	0	11
post girdles ...	3	1	4				Grey metal and metal						
<b>COAL</b> ...	0	0	4				stone, with girdles	1	0	3			
				3	4	0	Strong white post,						
Black metal ...	0	0	8				mixed with whin						
Grey metal stone, with							girdles ...	0	4	6			
post girdles ...	3	2	0				Grey metal stone, dark						
White and grey post	1	3	10				near the bottom ...	0	5	4			
Whin (got 18th Jan.,							<b>COAL</b> ...	0	1	7			
through 20th, five											8	3	7
shifts) ...	0	1	6				Grey metal ...	0	0	9			
Strong white post ...	1	4	0				Grey metal stone, with						
Grey metal stone ...	2	1	6				girdles ...	3	3	0			
Black metal stone, with							Strong white post, with						
scars of coal ...	0	2	4				feeder of water ...	1	4	5			
				9	3	10	Strong white post,						
Strong white post, with							mixed with whin						
whin girdles ...	2	1	2				and whin girdles (got						
Grey metal stone, with							25th Feb., through						
girdles ...	3	2	6				5th March) ...	0	2	6			
<b>COAL</b> , foul... ..	0	0	3				Strong white post ...	0	5	8			
											6	4	4
Carried forward	5	3	11	26	1	10	Total sunk and bored ...				42	4	8

## No. 2,242.—WHITWORTH.

TOWNSHIP OF WHITWORTH, DURHAM.

Sheet 34 of Ordnance Map. Lat. , Long.

*An Account of the Strata bored through at Whitworth Park, about 600 yards East of the Deep Hole.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brown clay ...	2	3	0				Brought forward				7	4	7
Black stone and coal	0	1	8				Blue metal ...	0	4	6			
Grey metal, with post							Grey metal, with post						
girdles ...	3	4	1				girdles ...	1	3	8			
Brown post ...	1	0	0				Grey post ...	0	1	3			
Black stone ...	0	1	0				Strong grey metal,						
<b>COAL</b> ...	0	0	10				with post girdles ...	2	1	2			
				7	4	7	<b>COAL</b> ...	0	2	1			
											5	0	8
Carried forward				7	4	7	Total ...				12	5	3

## No. 2,243.—WHITWORTH.

TOWNSHIP OF WHITWORTH, DURHAM.

Sheet 34 of Ordnance Map. Lat. , Long.

*Borings in Martin Charlton's Pit, Whitworth Estate, February 1st, 1837.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Surface ...	0	5	0				Brought forward	1	0	8	36	2	5
Brown freestone ...	1	3	10				<b>COAL</b> ...	0	0	8			
Dark grey metal, with water ...	0	3	6								1	1	4
<b>COAL</b> ...	0	0	9	3	1	1	Grey metal ...	2	0	7			
							Grey post ...	1	0	7			
Grey metal ...	0	5	10				Grey metal ...	0	0	10			
Black stone ...	1	1	0				White post, with water	2	5	3			
Grey metal, with post girdles ...	2	4	2				Black metal ...	0	0	10			
Soft dark grey metal	0	3	2				<b>COAL</b> ...	0	1	7			
Grey metal ...	0	0	10								6	3	8
<b>COAL</b> ...	0	0	6	5	3	6	Grey metal ...	0	3	8			
							White post, with water	0	5	2			
Black stone and coal	0	4	0				Grey metal, with scares of coal ...	0	3	6			
Grey metal, with thin post girdles ...	2	5	5				Grey metal ...	3	0	8			
<b>COAL</b> ...	0	2	10	4	0	3	Blue metal ...	0	1	3			
							Grey metal ...	2	5	10			
							<b>COAL</b> ...	0	1	7			
Total sunk				12	4	10					8	3	8
Grey metal ...	3	1	7				White post, with water	14	3	2			
Black metal ...	0	0	9				Black stone ...	0	0	6			
Grey metal, with post girdles ...	3	2	9				<b>COAL</b> ...	0	1	8			
<b>COAL</b> ...	0	0	3	6	5	4					14	5	4
							Grey metal ...	1	0	0			
Grey metal ...	0	0	6				Blue metal, with post girdles ...	2	2	8			
Grey post, with water	3	4	8				White post ...	2	0	2			
Grey metal, with post girdles ...	3	2	5				Whin ...	0	0	10			
Grey post ...	0	2	3				White post ...	0	3	5			
Grey metal ...	0	0	10				Grey whin ...	0	1	4			
Grey post (set away the water at 15 fathoms) ...	0	5	6				White post, with metal partings ...	2	4	6			
Grey metal ...	0	5	1				Blue metal ...	0	1	10			
Black stone ...	0	0	6				<b>COAL</b> ...	0	3	10			
Blue metal ...	2	2	7								10	0	7
Black stone, with scares of coal	0	2	0				Grey metal ...	0	1	0			
Blue metal ...	0	2	8				Grey post ...	0	5	0			
Grey metal ...	1	1	11				Blue metal ...	1	1	0			
Grey post ...	1	0	0				Grey post, with whin	1	0	10			
Grey metal, with post girdles ...	0	5	6				Grey post, with metal partings ...	0	4	0			
Blue metal ...	0	0	6				Grey whin ...	0	2	10			
<b>COAL</b> , foul	0	3	4	16	4	3	Grey post ...	0	1	3			
							Blue metal ...	0	1	5			
Grey metal ...	0	5	7				Strong grey metal, with post girdles ...	1	2	0			
Blue metal ...	0	1	1				Soft grey metal ...	1	2	0			
							Grey metal, with post girdles ...	0	3	2			
Carried forward	1	0	8	36	2	5	Strong grey post ...	0	0	9			
											8	1	3
							Total sunk and bored ...				86	0	3

## No. 2,244.—WHITWORTH.

TOWNSHIP OF WHITWORTH, DURHAM.

Sheet 34 of Ordnance Map. Lat. , Long.

*Account of Strata bored through in the Whitworth Estate, Second Deep Hole, about 300 yards from the West Boundary Hedge, and about 200 yards North of the Byers Green Railway. Begun June 8th, 1837.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Strong brown and blue clay ...	11	3	0				Brought forward				33	5	3
Soft freestone, with post girdles and water ...	1	0	7				Blue metal ...	0	2	2			
Soft blue metal ...	1	1	0				Grey metal stone ...	1	2	2			
Grey metal, with post girdles ...	0	3	0				Black metal, mixed with coal ...	0	3	1			
Grey post ...	0	3	2				Grey metal, with post girdle ...	0	2	6			
Grey metal ...	0	2	0				Grey post ...	0	4	0			
Strong brown post ...	1	2	0				Grey metal, with post girdle ...	2	5	3			
Blue metal ...	0	1	8				Black metal ...	0	1	2			
Grey metal, with post girdles ...	1	4	9				<b>COAL</b> , foul... ..	0	2	0			
Blue metal ...	1	1	0								6	4	4
Black metal ...	0	1	0				Grey post ...	0	1	5			
Dark grey metal, with post girdles ...	0	4	6				Soft dark grey metal ...	0	3	5			
Blue metal ...	2	1	6				Strong white post ...	2	2	0			
Black metal, mixed with coal ...	0	2	4				<b>COAL</b> , foul... ..	0	1	10			
Grey metal ...	0	4	2								3	2	8
<b>COAL</b> ...	0	0	6	24	0	2	Grey metal ...	0	2	6			
							White post ...	8	4	1			
Grey metal ...	0	3	0				Soft grey metal ...	0	2	6			
<b>COAL</b> ...	0	0	3				<b>COAL</b> ...	0	0	9			
				0	3	3					9	3	10
Grey metal ...	0	1	6				Dark grey metal ...	0	2	4			
Grey post, with water ...	0	3	3				<b>COAL</b> , foul, with water ...	0	1	2			
Black metal ...	0	0	9								0	3	6
<b>COAL</b> , foul... ..	0	2	8	1	2	2	Soft grey metal ...	1	3	7			
							Grey post, with water ...	1	4	5			
Grey metal ...	0	2	0				White post ...	0	4	11			
Grey post ...	1	2	10				Blue whin ...	0	1	2			
<b>COAL</b> , foul... ..	0	0	6				Grey post ...	0	3	7			
				1	5	4	Soft grey metal ...	0	0	11			
Grey metal ...	1	5	2				White post, with water ...	5	4	11½			
Grey metal stone ...	1	3	5				<b>COAL</b> ...	0	4	1			
Black metal, mixed with coal ...	2	1	11								11	3	7½
<b>COAL</b> ...	0	1	10				In grey metal ...				1	3	0
				6	0	4							
Carried forward				33	5	3	Total ...				67	2	2½





## No. 2,246.—WHITWORTH.

TOWNSHIP OF WHITWORTH, DURHAM.

Sheet 34 of Ordnance Map. Lat.

Long.

*Account of Strata sunk through in the Whitworth Park Pit. 1839.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	1	0				Brought forward				50	5	0
Brown sandy clay ...	0	1	6				Grey metal ... ..	0	3	8			
Strong brown clay ...	5	0	0				White post ... ..	0	5	2			
Strong brown post, with water ... ..	3	4	0				Grey metal, scared with coal ... ..	0	3	6			
<b>COAL</b> , foul, with water ... ..	0	1	3				Grey metal ... ..	3	0	8			
				9	1	9	Blue metal ... ..	0	1	3			
Grey metal girdles ...	3	4	6				Grey metal ... ..	2	2	10			
<b>COAL</b> , foul... ..	0	0	8				<b>COAL</b> — <i>Top Busty</i> <i>Seam</i> ... ..	0	1	7			
				3	5	2					8	0	8
Strong grey metal ...	6	2	0				Dark metal ... ..	4	0	0			
<b>COAL</b> — <i>Hutton</i> <i>Seam</i> ... ..	2	0					<b>COAL</b> — <i>Lower Busty</i> <i>Seam</i> ... ..	0	1	9			
Splint ... ..	0	6									4	1	9
				6	4	6	White post ... ..	10	0	0			
Grey metal ... ..	3	1	7				Black stone ... ..	0	0	6			
Black metal ... ..	0	0	9				<b>COAL</b> ... ..	0	1	8			
Grey metal ... ..	3	2	9								10	2	2
<b>COAL</b> ... ..	0	0	3				Black stone ... ..	1	1	0			
				6	5	4	<b>COAL</b> ... ..	0	0	2			
Grey metal ... ..	0	0	6								1	1	2
Grey post ... ..	3	4	8				Grey metal ... ..	2	0	3			
Grey metal ... ..	3	2	5				Strong white post ...	5	5	7			
Grey post ... ..	0	2	3				Splint ... ..	0	0	3			
Grey metal ... ..	0	0	10				<b>COAL</b> — <i>Brockwell</i> <i>Seam</i> ... ..	0	4	0			
Grey post ... ..	0	5	6								8	4	1
Grey metal ... ..	0	5	1				Total sunk ... ..				83	2	10
Black stone ... ..	0	0	6										
Blue metal ... ..	2	2	7				<i>Bored further, July</i> <i>15th 1844:—</i>						
Black stone ... ..	0	2	0				White and grey post, mixed with whin ...	5	2	0			
Blue metal ... ..	0	2	8				Grey metal, with whin girdles ... ..	4	3	0			
Grey metal ... ..	1	1	11				Black stone ... ..	0	0	6			
Grey post ... ..	1	0	0				<b>COAL</b> ... ..	0	0	7			
Grey metal ... ..	0	5	6								10	0	1
Blue metal ... ..	0	0	6				Grey metal ... ..	5	3	0			
Black metal and coal	0	3	4				<b>COAL</b> ... ..	0	0	6			
				16	4	3					5	3	6
Grey metal ... ..	0	2	7				Grey post ... ..	4	1	6			
Blue metal ... ..	0	1	1				Whin ... ..	0	2	6			
<b>COAL</b> ... ..	0	0	8				Strong white post ...	2	2	0			
				0	4	4	Grey metal stone ...	0	3	0			
Grey metal ... ..	2	0	7				<b>COAL</b> , foul... ..	0	1	0			
Grey post ... ..	1	0	7								7	4	0
Grey metal ... ..	0	0	10				Carried forward				106	4	5
White post ... ..	2	5	3										
Black metal ... ..	0	0	10										
<b>COAL</b> — <i>Harvey Seam</i>	0	1	7										
				6	3	8							
Carried forward				50	5	0							

## No. 2,246.—WHITWORTH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				106	4	5	Brought forward				113	2	0
Strong grey metal							Grey metal stone ...	0	4	0			
stone ...	1	4	5				Strong white post, with						
Whin ...	0	3	0				whin girdles ...	2	3	8			
White and grey post	0	5	0				Grey metal stone, in-						
Grey metal stone, with							clining to post ...	2	3	10			
post girdles ...	2	1	7				Whin ...	0	2	7			
White post ...	1	1	0				White post, mixed with						
<b>COAL</b> , tender ...	0	0	7				whin ...	0	0	5			
				6	3	7	In whin ( $\frac{1}{2}$ inch in 24						
							hours) ...	1	1	0			
											7	3	6
Carried forward				113	2	0	Total ...				120	5	6

## No. 2,247.—WHITWORTH.

TOWNSHIP OF WHITWORTH, DURHAM.

Sheet 34 of Ordnance Map. Lat. , Long.

*Sunk at the New Pit at Whitworth Colliery. 1846.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay...	2	2	0				Brought forward				13	3	1
Grey metal, with post							Black stone ...	0	0	11			
girdles ...	5	2	9				<b>COAL</b> ...	0	0	11			
Soft grey metal stone	0	1	8								0	1	10
<b>COAL</b> ...	0	0	9				Grey metal ..	0	1	7			
				8	1	2	Black stone ...	0	1	3			
Grey thill ...	0	3	8				Grey metal ...	0	3	2			
Black stone ...	0	3	0				Blue metal stone ...	1	5	4			
<b>COAL</b> ...	0	0	5				Grey metal ...	3	0	11			
				1	1	1							
Grey metal, with iron-							<b>COAL</b> , good	Ft. In.					
stone ...	0	4	7				<b>COAL</b> , splint	2 8					
Black stone ...	0	2	10										
Post ...	0	1	2					0 7					
Grey metal stone	0	0	2						0 3 3				
Post ...	0	0	10							6 3 6			
Grey metal stone	0	0	7				Grey metal and post						
Post ...	0	1	4				girdles ...	1 4 1					
Grey metal stone	0	0	2				Ironstone ...	0 0 6					
Post ...	0	0	8				Black stone ...	0 2 0					
Grey metal stone	0	0	1				<b>COAL</b> , splint ...	0 0 9					
Post ...	0	1	8							2 1 4			
Grey metal stone	0	1	8				Grey metal and post						
Post ...	0	0	10				girdles ...	4 2 0					
Grey metal stone	0	1	0				Grey metal ...	7 1 0					
Post ...	0	5	3				Post ...	2 0 0					
Grey metal stone	0	1	3				Black stone ...	3 0 6					
<b>COAL</b> ...	0	0	9				<b>COAL</b> ...	0 0 3					
				4	0	10					16	3	9
Carried forward				13	3	1	Carried forward				39	1	6

## No. 2,247.—WHITWORTH.—CONTINUED.

Brought forward			Fs.	Ft.	In.	Fs.	Ft.	In.
			39	1	6			
Grey metal ...	...	...	1	3	0			
<b>COAL</b> ...	...	...	0	0	4			
						1	3	4
Grey metal and post								
girdles ...	...	...	2	0	0			
<b>COAL</b> ...	...	...	0	1	6			
						2	1	6
Grey metal and post								
girdles ...	...	...	2	0	0			
<b>COAL</b> ...	...	...	0	0	5			
						2	0	5
Grey metal and post								
girdles ...	...	...	3	3	0			
White post ...	...	...	4	0	0			
Black stone ...	...	...	0	0	6			
<b>COAL</b> ...	...	...	0	1	6			
						7	5	0
Grey metal ...	...	...	0	4	0			
Post ...	...	...	0	5	0			
<b>COAL</b> ...	...	...	0	0	2			
						1	3	2
Grey metal and post								
girdles ...	...	...	3	3	0			
<b>COAL</b> ...	...	...	0	1	8			
						3	4	8
Carried forward			58	1	7			

Brought forward			Fs.	Ft.	In.	Fs.	Ft.	In.
			58	1	7			
Grey metal and post								
girdles ...	...	...	3	3	3			
Post ...	...	...	1	0	4			
<b>COAL</b> ...	...	...	0	1	8			
						4	5	3
Grey metal ...	...	...	0	1	0			
White post ...	...	...	10	0	0			
<b>COAL</b> ...	...	...	0	0	6			
						10	1	6
Grey metal ...	...	...	0	1	4			
<b>COAL</b> ...	...	...	1	0	0			
Band ...	...	...	0	1	0			
<b>COAL</b> ...	...	...	0	2	0			
						0	1	3
						0	2	7
Grey metal ...	...	...	5	0	0			
White post ...	...	...	4	3	0			
Grey metal ...	...	...	0	4	0			
<b>COAL</b> — <i>Brockwell</i>								
<i>Seam</i> ...	...	...	0	4	0			
						10	5	0
Grey metal and post								
girdles ...	...	...	0	4	0			
<b>COAL</b> ...	...	...	0	0	4			
						0	4	4
Total			...	...	...	85	2	3

## No. 2,248.—WHITWORTH.

TOWNSHIP OF WHITWORTH, DURHAM.

Sheet 34 of Ordnance Map. Lat.

Long.

*Account of a Boring in Whitworth Royalty, about 800 yards North from the Pit.  
July 8th, 1852.*

Approximate surface level feet above sea (Ordnance datum).

			Fs.	Ft.	In.	Fs.	Ft.	In.
			14	3	6			
Stony clay ...	...	...	4	0	0			
Leafy clay ...	...	...	3	0	0			
Sand ...	...	...	0	1	6			
Leafy clay ...	...	...	2	1	6			
Stony clay ...	...	...	2	1	0			
Grey metal ...	...	...	1	5	6			
Dark metal stone	...	...	0	5	9			
<b>COAL</b> ...	...	...	0	0	3			
						14	3	6
Carried forward			14	3	6			

Brought forward			Fs.	Ft.	In.	Fs.	Ft.	In.
			14	3	6			
Grey and black metal	...	...	0	2	0			
Black stone ...	...	...	0	0	6			
Strong grey metal								
stone, with iron-								
stone girdles ...	...	...	3	0	0			
Into white post	...	...	0	3	0			
						3	5	6
Total			...	...	...	18	3	0



## No. 2,249.—WHITWORTH.

TOWNSHIP OF WHITWORTH, DURHAM.

Sheet 34 of Ordnance Map.    Lat.                      , Long.

*Account of Boring on Whitworth Estate, No. 1 Hole.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ... ..	2	2	4				Brought forward	10	3	4			
Metal... ..	0	3	7				Metal... ..	1	0	6			
Post ... ..	1	0	6				<b>COAL</b> ... ..	0	2	3			
Blue metal ... ..	0	4	3								12	0	1
Post ... ..	2	1	2				Dark metal and <i>coal</i>	0	0	4			
Metal and <i>coal</i> ... ..	0	2	0				Into grey metal ... ..	0	3	0			
Metal... ..	2	4	6								0	3	4
Post ... ..	0	3	0										
Carried forward	10	3	4				Total ... ..				12	3	5

## No. 2,250.—WHITWORTH.

TOWNSHIP OF WHITWORTH, DURHAM.

Sheet 34 of Ordnance Map.    Lat.                      , Long.

*No. 2 Hole.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ... ..	10	0	0			
Post ... ..	2	0	0			
Into metal ... ..	1	5	0			
				13	5	0
Total ... ..				13	5	0

## No. 2,251.—WIDDRINGTON.

TOWNSHIP OF WIDDRINGTON, NORTHUMBERLAND.

Sheet 55 of Ordnance Map. Lat. , Long.

*Bored in Widdrington Park, by John Wake. 1722.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Earth...	...	...	3	3	0		Brought forward	3	0	0	15	0	6
Grey post ...	...	...	2	1	6		<b>COAL</b> ...	0	0	6			
<b>COAL</b> ...	...	...	0	0	6						3	0	6
						5	5	0					
Grey metal ...	...	...	0	1	6		Grey post ...	...	...	2	3	0	
Black metal ...	...	...	0	1	6		White post ...	...	...	3	0	0	
Grey metal ...	...	...	8	3	0		Strong whin ...	...	...	0	2	3	
<b>COAL</b> ...	...	...	0	1	6		White post ...	...	...	0	3	0	
						9	1	6	Grey metal ...	...	1	3	0
Grey metal ...	...	...	1	3	0		<b>COAL</b> ...	...	...	0	3	0	
Grey post ...	...	...	1	3	0						8	2	3
Carried forward	3	0	0	15	0	6	Total ...	...	...		26	3	3

## No. 2,252.—WIDDRINGTON.

TOWNSHIP OF WIDDRINGTON, NORTHUMBERLAND.

Sheet 55 of Ordnance Map. Lat. , Long.

*An Account of Strata bored through in the Widdrington Estate, near Houndalee Farm House. June, 1849.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	...	...	0	1	0		Brought forward	1	2	10	15	0	4
Yellow clay ...	...	...	0	4	4		Mild grey post, with						
Brown clay, with sand							metal partings ...	1	4	1			
parting and a little							Strong white post,						
water ...	...	...	3	0	5		mixed with whin ...	2	2	11			
Soft grey metal ...	...	...	0	4	6		Soft grey metal ...	0	5	4			
Black metal, mixed							Strong white post,						
with coal ...	...	...	0	1	8		with metal partings						
Grey metal thill ...	...	...	0	2	1		and water ...	2	3	4			
Soft blue metal ...	...	...	0	5	3		Soft black metal ...	0	0	6			
Strong blue metal ...	...	...	1	2	9		Dark grey metal ...	0	3	1			
Strong grey post ...	...	...	0	2	2		Blue metal ...	1	5	9			
Soft grey metal, with							Black metal, mixed						
thin post girdles ...	...	...	6	2	9		with coal ...	0	1	6			
Black metal, mixed							Grey metal ...	0	3	1			
with coal ...	...	...	0	0	6		Strong grey metal,						
<b>COAL</b> ...	Ft. In.						mixed with post ...	1	2	0			
Grey metal band ...	0	4					<b>COAL</b> ...	0	1	0			
<b>COAL</b> ...	0	8									13	5	5
			0	2	11		Grey metal thill ...	0	1	6			
						15	0	4	Grey metal, with post				
Grey metal thill ...	...	...	0	1	4		girdles ...	0	1	2			
Soft grey metal ...	...	...	1	1	6		Blue metal, with post						
Carried forward	1	2	10	15	0	4	girdles and water...	2	4	3			
							Carried forward	3	0	11	28	5	9

## No. 2,252.—WIDDRINGTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	0	11	28	5	9	Brought forward	1	2	0	51	2	10
Strong grey post ...	0	1	3				Grey metal and post						
Mild grey post ...	0	3	0				girdles ...	0	5	3			
Strong white post,							Black metal ...	0	0	3			
with metal partings							Grey metal ...	0	1	0			
and water ...	6	4	0				Grey post, with metal						
Soft grey metal ...	0	0	9				partings, water rose						
							3 fathoms and ran						
<b>COAL</b> ...							out of top of hole...	1	3	0			
Soft argillaceous							Strong grey metal ...	0	4	4			
shale ...	0	4	$\frac{3}{4}$				<b>COAL</b> , coarse, with						
<b>COAL</b> ...	0	5					slate parting ...	0	1	7			
Grey metal											4	5	5
band ...	0	3					Grey metal ...	0	5	4			
<b>COAL</b> ...	0	4	$\frac{1}{2}$				Strong grey metal						
				0	2	6 $\frac{3}{4}$	stone, inclining to						
				11	0	5 $\frac{3}{4}$	post ...	1	3	0			
Grey metal ...	0	1	1				Coarse white post,						
Strong grey metal ...	0	1	6				with water ...	4	1	5			
Strong grey post, with							<b>COAL</b> , good ...	0	0	6			
metal partings and											6	4	3
water ...	1	1	6				Grey metal ...	0	1	8			
Soft grey metal, with							Black metal ...	0	0	3			
thin girdles ...	1	4	2				White post ...	1	1	3			
<b>COAL</b> ...	0	1	7 $\frac{1}{4}$				Strong grey metal,						
				3	3	10 $\frac{1}{4}$	with post girdles ...	2	2	10			
Grey metal stone ...	0	2	1				Light grey metal ...	1	2	3			
Strong blue metal,							Black metal ...	0	1	6			
mixed with post ...	2	5	0				Light grey metal ...	1	4	9			
Dark grey metal,							Hard grey post ...	0	3	0			
mixed with coal ...	0	1	0				Coarse white post, with						
Strong grey metal,							water ...	3	0	6			
mixed with post ...	2	3	11				Strong grey metal						
Black metal, mixed							stone ...	1	5	0			
with coal ...	0	0	9				<b>COAL</b> , good ...	0	1	3			
Grey metal, with post											13	0	3
girdles ...	0	3	4				Strong grey metal,						
Black metal, mixed							with post girdles ...	2	2	0			
with coal ...	0	0	3				<b>COAL</b> , coarse ...	0	1	2			
Grey metal ...	0	2	3								2	3	2
							Grey metal ...	0	2	6			
<b>COAL</b> , coarse							Strong grey metal						
splinty ...	1	6					stone ...	1	3	8			
Black metal,							Black metal, with						
with scars							scars of coal ...	0	1	9			
of coal ...	0	7					Grey metal ...	0	1	11			
<b>COAL</b> , coarse	0	8					<b>COAL</b> ...	0	0	9			
Black metal,											2	4	7
with scars							Strong white post ...	1	2	0			
of coal ...	0	2					<b>COAL</b> ...	0	0	4			
<b>COAL</b> , splinty	0	9									1	2	4
Dark metal,							Strong grey metal,						
with scars							with post girdles ...	1	0	1			
of coal ...	0	6					<b>COAL</b> ...	0	0	5			
				0	4	2					1	0	6
				7	4	9	Grey metal ...	1	1	7			
Soft grey metal ...	0	4	3				Black metal, mixed						
Grey metal ...	0	2	6				with coal ...	0	0	11			
Hard white post ...	0	1	3				Grey metal ...	0	2	4			
Carried forward	1	2	0	51	2	10	Carried forward	1	4	10	83	5	4





## No. 2,253.—WIDDRINGTON.

TOWNSHIP OF WIDDRINGTON, NORTHUMBERLAND.

Sheet 55 of Ordnance Map. Lat. , Long.

*An Account of the Boring in the Widdrington Estate, near the Moor House, by  
Geo. Stott. 1st March, 1854.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ... ..	7	2	0								26	0	7
Grey post (water came to top of hole) ..	0	5	6					Brought forward					
White post ... ..	2	2	2					Dark metal and post					
COAL ... ..	0	0	5					girdles ... ..	1	3	9		
				10	4	1		White post ... ..	4	0	0		
Grey metal ... ..	2	2	8					Whin ... ..	0	1	0		
								White post ... ..	2	3	9		
COAL, coarse	2	0						COAL ... ..	0	1	3		
Grey metal ... ..	0	5									8	3	9
COAL ... ..	0	2						Dark metal ... ..	0	2	0		
Grey metal ... ..	0	8						Grey post ... ..	2	2	0		
COAL ... ..	0	5						Dark metal and post					
				0	3	8		girdles ... ..	3	3	4		
				3	0	4		COAL ... ..	0	2	0		
Grey metal ... ..	0	5	9								6	3	4
Grey post ... ..	0	2	0					Grey metal ... ..	1	5	0		
Dark metal ... ..	0	3	6					Grey post ... ..	6	5	8		
								Grey metal ... ..	0	2	0		
COAL	1	5						Grey post ... ..	0	1	6		
Band ... ..	0	1						Dark metal ... ..	1	1	6		
COAL ... ..	2	10						Grey post ... ..	4	5	0		
				0	4	4		Dark metal ... ..	2	4	3		
				2	3	7		COAL ... ..	0	0	5		
Grey metal ... ..	2	3	0								18	1	4
White post, with water	4	4	9					Grey post, with water	3	4	6		
COAL ... ..	0	1	4					Metal parting ... ..	0	0	8		
				7	3	1		Grey post ... ..	3	2	6		
Dark metal ... ..	1	0	0					Whin ... ..	0	2	3		
COAL ... ..	0	0	6					White post ... ..	7	4	6		
				1	0	6		Grey metal ... ..	1	4	4		
Dark metal ... ..	0	2	0					COAL ... ..	0	0	9		
COAL ... ..	0	1	0								17	1	6
				0	3	0		Into grey metal ...			0	0	5
Dark metal ... ..	0	2	6										
COAL ... ..	0	1	6										
				0	4	0							
Carried forward	26	0	7					Total ... ..			76	4	11

## No. 2,254.—WIDDRINGTON.

TOWNSHIP OF WIDDRINGTON, NORTHUMBERLAND.

Sheet 55 of Ordnance Map. Lat. , Long.

*Account of Boring on Widdrington Estate, — yards East from the Castle.  
Begun April 25th, 1860; left off February 7th, 1862.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Stony clay ...	6	1	6				Brought forward	6	0	7	58	4	5
Grey post ...	1	2	0				Grey post ...	1	0	0			
Grey metal ...	0	1	0				Grey metal ...	0	2	0			
<b>COAL</b> ...	0	0	9				Grey post ...	0	1	0			
				7	5	3	Grey metal ...	0	4	0			
Grey metal ...	2	2	6				White post ...	0	2	0			
Post ...	4	2	6				Grey metal ...	0	4	0			
Grey metal, with							Grey post ...	4	3	0			
girdles ...	1	1	8				Whin ...	0	1	0			
<b>COAL</b> ...	0	0	10				Post ...	7	3	0			
				8	1	6	Grey metal ...	0	5	0			
Black metal, mixed							Post, with water (rose						
with coal ...	0	1	2				to the top) ...	1	0	0			
Grey metal ...	4	1	0				Dark metal ...	0	1	6			
<b>COAL</b> ...	0	1	8				<b>COAL</b> ...	0	0	2			
				4	3	10					23	3	3
Light grey metal ...	0	4	6				Grey metal ...	0	3	0			
Grey post ...	0	5	0				Grey post ...	3	0	9			
Grey metal ...	0	5	3				Whin ...	0	3	0			
<b>COAL</b> ...	0	0	9				White post ...	1	4	0			
				2	3	6	Whin ...	0	1	0			
Grey metal ...	0	1	3				Mild post ...	1	1	6			
Grey post ...	14	0	0				<b>COAL</b> ...	0	1	5			
Dark grey metal ...	1	0	0								7	2	8
Grey post ...	3	2	0				Grey metal ...	0	1	6			
Whin ...	0	1	3				Grey post ...	0	2	0			
Grey post ...	3	0	0										
Post, mixed with whin	0	3	0				<b>COAL</b> ...	0	6				
Mild post ...	0	3	0				Grey metal ...	0	2				
Grey metal ...	0	1	6				<b>COAL</b> ...	0	2				
Dark metal ...	0	1	0								0	0	10
Grey metal ...	1	5	0								0	4	4
Mild post ...	9	2	6				Grey metal ...	1	0	0			
Post, with black scares	0	3	0				Grey and white post ...	1	4	0			
Post ...	0	1	6				Grey metal ...	0	0	6			
Black metal ...	0	0	2				<b>COAL</b> ...	0	1	7			
<b>COAL</b> ...	0	1	2								3	0	1
				35	2	4	Grey metal ...	0	1	9			
Grey metal ...	1	3	0				White post ...	1	0	0			
Grey post ...	1	5	0				Grey metal ...	0	3	0			
Whin ...	0	1	0				<b>COAL</b> ...	0	0	6			
Grey metal ...	0	2	7								1	5	3
White post ...	1	0	0				Grey metal ...	0	3	0			
Grey metal ...	0	2	0				Grey post ...	0	5	0			
Grey post ...	0	1	0				Grey metal ...	0	4	3			
Grey metal ...	0	4	0										
Carried forward	6	0	7	58	4	5	Carried forward	2	0	3	95	2	0

## No. 2,254.—WIDDRINGTON.—CONTINUED.

Brought forward		Fs.	Ft.	In.	Fs.	Ft.	In.
		2	0	3	95	2	0
		Ft.	In.				
COAL	...	0	4				
Grey metal	...	0	6				
COAL	...	0	3				
		0	1	1			
					2	1	4
Grey metal	...	0	3	9			
Grey post	...	1	4	0			
Whin	...	0	0	6			
Grey post	...	0	1	6			
Grey metal	...	0	0	6			
COAL	...	0	0	3			
					2	4	6
Grey metal	...	0	2	3			
COAL	...	0	0	1			
					0	2	4
Carried forward					100	4	2

Brought forward		Fs.	Ft.	In.	Fs.	Ft.	In.
		100	4	2			
Grey metal	...	1	0	0			
White post	...	4	3	0			
Dark grey metal	...	0	1	6			
White post	...	1	1	0			
Whin	...	0	0	6			
Grey metal	...	1	2	0			
Black metal	...	0	1	3			
COAL	...	0	0	3			
					8	3	6
Grey metal	...	0	2	0			
Into white post	...	2	5	4			
					3	1	4
Total					112	3	0

## No. 2,255.—WIDDRINGTON.

TOWNSHIP OF WIDDRINGTON, NORTHUMBERLAND.

Sheet 55 of Ordnance Map. Lat. , Long.

*Section of Strata sunk through at Air Shaft, 240 yards West of the Isabella Pit,  
Widdrington Colliery. March, 1869.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	0	9			
Strong blue clay, with a few limestone pebbles ... ..	1	5	0			
Loam ... ..	0	3	0			
Clay, with a good mix- ture of pebbles and boulders of lime- stone ... ..	1	1	0			
Sand on east side of pit and clay on west, pebbles and boulders in the clay; some of the boulders show marks of abrasion as of a glacial action; the pebbles and boul- ders of limestone ...	0	3	0			
Carried forward	4	0	9			

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	4	0	9			
Strong blue clay, with boulders of basalt, lime, and sandstones	3	4	3			
				7	5	0
Fire clay and <i>coal</i> <i>pipes</i> , very disrupt- ed; probably a trace of upper seam ...	0	1	6			
Hard blue metal ...	0	3	6			
Ironstone girdle ...	0	0	6			
Hard blue metal ...	0	4	6			
				1	4	0
Total depth on to the top of the seam ( <i>Main Coal</i> <i>Seam</i> ) ... ..				9	3	0

N.B.—In sinking the Isabella Pit there was a parting of 6 inches of whin sunk through.  
Query—Is this basalt, or only a parting of extra hard blue metal?

T

## No. 2,256.—WIDEOPEN.

TOWNSHIP OF WEETSLADE, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 55° 2' 45", Long. 1° 36' 59".

*Account of Strata bored through in the Second Pluce, about 300 yards South from East Wideopen, by Messrs. Rawling. January, 1769.*

Approximate surface level 215 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to the scaffold...	3	4	3				Brought forward	10	2	4	37	0	10
Box ... ..	7	1	6				Black stone ... ..	0	0	6			
Brown and blue ramblly							<b>COAL</b> , with scares of						
post ... ..	3	4	6				brass ... ..	0	1	2			
Brown post ... ..	5	0	0								10	4	0
Grey metal ... ..	0	2	0				Black stone, with water	0	0	9			
<b>COAL</b> ... ..	0	0	9				Grey metal ... ..	0	4	6			
				20	1	0	White post, with water	3	0	0			
Grey metal and post							Strong white post,						
girdles ... ..	2	0	0				with water ... ..	0	2	0			
Whin ... ..	0	1	6				Strong grey metal						
Strong white post, with							stone, with hard						
whin ... ..	0	3	6				girdles and water...	2	5	0			
Whin ... ..	0	1	0				Black stone ... ..	0	1	6			
Grey metal, with gir-							<b>COAL</b> ... ..	0	0	9			
dles and water ...	3	3	0								7	2	6
Whin girdle, or lump	0	0	7				Strong grey metal ...	0	3	2			
Grey metal stone, with							Strong grey metal						
girdles and water...	2	2	0				stone ... ..	1	1	4			
<b>COAL</b> ... ..	0	0	11	9	0	6	Whin girdle ... ..	0	4	6			
							White post, with water	3	3	11			
Grey metal and metal							Grey metal stone ...	0	4	0			
stone, with girdles							Black metal, scared						
or lumps ... ..	4	0	3				with coal ... ..	0	0	6			
<b>COAL</b> , foul... ..	0	1	0	4	1	3	Strong grey metal						
							stone ... ..	1	0	6			
Grey metal and metal	2	2	3				Grey post, with water	0	3	0			
stone ... ..	0	1	3			*	Strong white post, with						
<b>COAL</b> ... ..	0	0	10	2	4	4	whin ... ..	0	3	0			
							Grey post ... ..	1	1	6			
Grey metal, with hard							Grey metal ... ..	0	1	6			
lumps ... ..	0	3	6				Grey post, with water	0	3	9			
<b>COAL</b> ... ..	0	10					Whin ... ..	0	3	4			
<b>COAL</b> , hard							White post, with water	0	3	6			
brassy ... ..	0	5					Whin ... ..	0	2	0			
Blue metal,							Strong grey post, with						
with scares							water ... ..	0	1	0			
of coal ... ..	0	7					Grey metal stone ...	0	1	6			
<b>COAL</b> ... ..	0	5					White post, with water	0	1	6			
				0	2	3	Blue metal ... ..	1	1	0			
							<b>COAL</b> ... ..	0	0	5			
											14	2	11
Grey and white post...	2	2	0				Black stone ... ..	0	0	9			
Grey metal stone ...	1	3	0				Strong grey metal ...	0	1	0			
White post ... ..	3	0	0				Black stone ... ..	0	1	6			
Whin ... ..	0	1	4				Blue grey metal ...	1	3	0			
White post, with water	2	3	0				Soft black metal, with						
Blue metal, with hard							girdles or lumps ..	4	4	6			
lumps ... ..	0	5	0				<b>COAL</b> ... ..	0	0	9			
											6	5	6
Carried forward	10	2	4	37	0	10	Hard girdle or lump...	0	0	1			
							Carried forward	0	0	1	76	3	9

\* Approximate sea level (Ordnance datum).



## No. 2,256.—WIDEOPEN.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	0	0	1	76	3	9	Brought forward	78	0	2			
<i>High Main Coal Seam—</i>							Grey metal, with scares						
COAL ... ..	0	0	4				of coal ... ..	0	0	11			
				0	0	5	COAL ... ..	0	0	4			
Blue grey metal ...	0	2	10										
COAL, foul	0	4									0	1	3
Soft black metal ...	0	5					In grey metal stone...				0	1	6
COAL, with sulphur or water ...	1	3											
Hard girdle, or lump ...	0	2											
COAL, with sulphur or water ...	1	0											
Hard girdle, or lump ...	0	2											
COAL ...	1	10											
				0	5	2							
				1	2	0							
Carried forward	78	0	2				Total ... ..	78	2	11			

## No. 2,257.—WIDEOPEN.

TOWNSHIP OF WEETSLADE, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 55° 2' 45", Long. 1° 36' 59".

*Strata sunk and bored through in the A and B Pits, Wideopen Colliery.*

Approximate surface level 215 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Strong blue clay ...	9	3	0				Brought forward	29	2	5½			
Broken stone, with water ...	3	5	0				Grey metal stone ...	4	0	0			
Brown post, with water	6	0	10				COAL, foul ...	0	1	0			
COAL ... ..	0	0	9½								4	1	0
				19	3	7½	Grey metal stone ...	2	1	6½			
Grey post, mixed with whin ...	2	0	0					0	3	11½			*
Grey metal, mixed with whin ...	1	2	3				COAL ... ..	0	1	3			
White post, with water	1	1	4								3	0	9
Whin ... ..	0	3	0				Grey and blue metal...	0	5	3			
Grey metal ... ..	0	5	7				COAL ... ..	0	2	1			
Blue stone ... ..	2	3	8								1	1	4
Grey leafy post ...	0	5	4				Grey metal and post						
Blue stone ... ..	0	0	9				girdles ... ..	2	0	0			
COAL ... ..	0	0	11				COAL ... ..	0	0	10			
				9	4	10					2	0	10
Carried forward	29	2	5½				Grey metal ... ..	1	5	5			
							White post ... ..	5	1	3			
							Blue metal ... ..	0	4	2			
							Carried forward	7	4	10	40	0	4½

\* Approximate sea level (Ordnance datum).

## No. 2,257.—WIDEOPEN.—CONTINUED.

				Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				7	4	10	40	0	4½
Black stone ...				0	0	6			
COAL, with scales of brass ...				0	2	9	8	2	1
Grey metal ...				0	5	4			
White post ...				3	2	3			
White post, with whin				0	5	9			
Grey metal stone, with hard girdles ...				1	0	3			
Black stone ...				1	5	9			
COAL ...				0	0	9	8	2	1
Soft grey metal ...				1	3	3			
Strong grey metal, with whin...				1	0	0			
Strong white post, mixed with hard girdles ...				3	3	0			
Black stone ...				0	1	0			
Soft blue metal ...				0	4	7			
Strong grey post ...				0	4	0			
Blue metal ...				0	2	4			
Grey post, mixed with whin ...				1	2	9			
Blue metal ...				0	1	5			
Grey post ...				2	1	0			
Blue metal ...				1	2	8			
COAL ...				0	0	8	13	2	8
Girdles ...				0	0	2			
Black stone ...				0	0	8			
Grey metal ...				0	3	10			
Blue metal, with girdles ...				5	4	9			
Black stone ...				0	0	2			
COAL ...				0	1	4	6	4	11
Soft grey metal ...				0	4	0			
High Main Coal Seam—									
COAL ...				0	8½				
Black band ...				0	1½				
COAL ...				5	2	1	0	0	
				1 4 0					
Total Sunk ...				78 4 1½					
Bored further:—									
Thill ...				0	2	0			
Dark grey metal ...				1	5	0			
COAL, foul, with brasses ...				0	2	4	2	3	4
Grey metal stone ...				1	4	1			
Blue metal ...				0	2	0			
Carried forward				2	0	1	81	1	5½

				Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				2	0	1	81	1	5½
White post and post girdles ...				0	5	6			
Blue metal ...				0	1	0			
Grey metal stone, with post girdles ...				2	0	2			
Black stone ...				0	1	2			
Grey metal stone ...				1	0	5			
Black stone ...				0	3	6			
Grey metal stone ...				0	5	10			
Black stone ...				0	2	1			
Grey metal ...				0	1	1			
White post, with partings ...				0	1	6			
White post...				0	0	10			
Grey metal stone, with post girdles ...				3	0	9			
Hard white post, with partings ...				2	0	5			
Dark grey metal ...				0	4	1			
Hard white post, with partings ...				1	0	0			
Grey metal ...				0	2	5			
Black stone ...				0	1	4			
Grey metal ...				0	0	7			
White post, with partings ...				0	3	9			
Grey metal stone, with girdles ...				0	2	2			
Strong white post ...				2	1	11			
Brown whin ...				0	2	8			
White post ...				0	2	9			
Grey metal, with post girdles ...				1	0	3			
COAL—Yard Seam				0	3	4	22	1	7
Grey metal stone ...				2	1	3			
Black stone, mixed with coal ...				0	1	0			
Dark grey metal ...				0	1	9			
Strong grey metal, with post and partings...				1	0	8			
Grey metal stone, with whin girdles ...				4	3	10			
Soft grey metal ...				0	0	5			
Bensham Seam—Ft. In.									
COAL, foul				2	9				
Band ...				0	2				
COAL, good				0	4				
Band ...				0	3				
COAL, good				0	8				
				0 4 2					
				9 1 1					
Thill ...				0	1	6			
Grey metal stone ...				0	1	6			
Light brown post, with partings ...				4	3	2			
Carried forward				5	0	2	112	4	1½

## No. 2,257.—WIDEOPEN.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	5	0	2	112	4	1½	Brought forward	8	0	9	124	1	8½
Grey metal, with scares							Greyish whin	0	5	5			
of — ...	0	1	0				Dark grey metal stone	1	1	6			
Strong grey metal,							Black stone, with coal	0	1	0			
with post and whin							Dark grey metal, with						
girdles ...	3	4	10				post girdles	3	0	4			
Greenish whin ...	0	1	2				Post, with whin girdles						
Greyish post and whin							and partings	0	2	8			
girdles ...	2	2	0				Dark grey metal, with						
COAL ...	0	0	5				post girdles	0	3	0			
				11	3	7	Whin, with metal						
Shale ...	0	0	2				partings	0	4	0			
Grey metal stone, with							Light grey metal	0	1	10			
coal pipes ...	0	5	0				Dark grey metal	0	3	9			
Strong white post and							COAL	0	0	2			
whin ...	0	1	8								16	0	5
Whin ...	0	1	0				Black stone	0	1	4			
Grey post and whin...	0	2	9				Grey metal, with whin						
Whin ...	0	2	10				girdles	0	5	6			
Grey metal, with post	0	4	7				Black stone	0	0	8			
Grey post, with cashy							Dark grey metal stone	0	2	3			
partings ...	0	2	0				Grey metal stone and						
Grey metal stone	2	0	3				post girdles, with						
Black stone	0	0	10				whin	7	3	11			
Dark grey metal, with							Grey metal, with scamy						
post girdles	0	4	10				girdles, very dark...	7	0	2			
Black stone, mixed							Grey metal stone	1	3	3			
with coal ...	0	3	4								17	5	1
Dark grey post and													
partings ...	1	1	6										
Carried forward	8	0	9	124	1	8½	Total sunk and bored ...				158	1	2½

## No. 2,258.—WILLINGTON.

TOWNSHIP OF HUNWICK AND HELMINGTON, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

*Strata bored through upon the South Willington and Hunwick Royalties.*  
*July 31st, 1837.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	6				Brought forward	5	1	8			
Strong clay and large							Strong white post,						
tumbling stones ...	3	3	6				with metal partings	1	5	6			
Grey metal, with post							Grey metal	0	1	8			
girdles and water...	1	2	8				COAL	0	1	6			
											7	4	4
Carried forward	5	1	8				Carried forward				7	4	4

## No. 2,258.—WILLINGTON.—CONTINUED.

Brought forward			Fs.	Ft.	In.	Fs.	Ft.	In.
						7	4	4
Grey metal ...	...	...	3	0	4			
<b>COAL</b> , foul ...	...	...	0	0	11			
						3	1	3
Grey metal ...	...	...	2	0	10			
<b>COAL</b> , foul ...	...	...	0	0	6			
						2	1	4
Grey metal ...	...	...	0	4	6			
White post, with metal								
partings ...	...	...	1	3	4			
<b>COAL</b> , with water ...	...	...	0	2	0			
						2	3	10
Grey metal ...	...	...	0	1	9			
White post, with water								
Blue metal ...	...	...	0	1	6			
<b>COAL</b> , with a spring								
of water ...	...	...	0	1	3			
						2	3	2
Dark grey metal ...	...	...	0	3	0			
<b>COAL</b> ...	...	...	0	0	9			
						0	3	9
Grey metal ...	...	...	2	5	4			
<b>COAL</b> ...	...	...	0	1	5			
						3	0	9
Strong grey metal,								
with whin girdles...	...	...	3	1	9			
<b>COAL</b> , strong— <i>Five-</i>								
<i>Quarter Seam</i> ...	...	...	0	4	4			
						4	0	1
Carried forward						26	0	6

Brought forward			Fs.	Ft.	In.	Fs.	Ft.	In.
						26	0	6
Strong white post, and								
set away water at								
26 fs. 0 ft. 6 in. ...	...	...	7	2	8			
<b>COAL</b> , foul ...	...	...	0	1	4			
						7	4	0
Strong grey metal,								
with post girdles ...	...	...	2	1	7			
Grey metal ...	...	...	0	4	6			
<b>COAL</b> , foul...	...	...	0	1	2			
						3	1	3
Grey metal ...	...	...	0	4	7			
<b>COAL</b> , foul...	...	...	0	0	9			
						0	5	4
Grey metal, with post								
girdles ...	...	...	0	4	11			
Strong white and grey								
post, with metal								
partings ...	...	...	4	1	3			
Grey metal, with post								
girdles ...	...	...	1	1	0			
Black metal, with								
scares of coal ...	...	...	0	0	6			
<b>COAL</b> , very good—								
<i>Main Coal Seam</i> ...	...	...	0	4	10			
						7	0	6
Grey metal ...	...	...	1	0	0			
Grey post ...	...	...	2	1	0			
						3	1	0
Total ...						48	0	7

## No. 2,259.—WILLINGTON.

TOWNSHIP OF WILLINGTON, DURHAM.

Sheet 34 of Ordnance Map. Lat.

Long.

*Account of Strata bored through in Willington Burn, North Willington Royalty.  
Begun November 8th, 1836; ended 1837.*

Approximate surface level feet above sea (Ordnance datum).

			Fs.	Ft.	In.	Fs.	Ft.	In.
Sand, with water ...	...	...	0	2	6			
Strong blue clay ...	...	...	9	0	6			
Carried forward			9	3	0			

Brought forward			Fs.	Ft.	In.	Fs.	Ft.	In.
			9	3	0			
Grey metal ...	...	...	0	1	6			
Carried forward			9	4	6			



## No. 2,259.—WILLINGTON.—CONTINUED.

Brought forward		Fs.	Ft.	In.	Fs.	Ft.	In.	
		9	4	6				
<b>COAL</b> ...	Ft. In.							
<b>COAL</b> , danty	0 9							
		0	2	3				
					10	0	9	
Grey metal ...	0 1 8							
Grey metal stone ...	1 0 0							
Grey post ...	0 2 0							
Blue metal partings...	0 0 6							
Grey post ...	0 3 0							
Brown post (set away the water)...	4 4 8							
Grey metal ...	0 1 3							
<b>COAL</b> ...	0 1 5				7	2	6	
Grey metal ...	0 2 0							
Grey metal, with post girdles ...	1 3 0							
Grey metal ...	0 1 11							
Black stone ...	0 0 6							
<b>COAL</b> ...	0 0 9				2	2	2	
Band ...	0 1 1							
Brown post, with water	0 1 6							
White post ...	5 3 10							
Strong white post ...	1 1 4							
Grey metal, with post girdles ...	1 4 3							
Grey metal ...	0 4 7							
<i>*Five-Quarter Seam—</i>								
<b>COAL</b> ...	Ft. In.							
Band ...	0 4							
<b>COAL</b> ...	1 10							
		0	3	11				
					10	2	6	
Grey metal ...	0 1 3							
Scamy post ...	1 3 0							
Grey metal ...	1 0 4							
Strong white post, with water ...	6 0 7							
Grey metal ...	0 2 0							
<b>COAL</b> ...	Ft. In.							
Splint...	0 5							
		0	3	8				
					9	4	10	
Carried forward 40 0 9								

Brought forward		Fs.	Ft.	In.	Fs.	Ft.	In.	
		40	0	9				
Strong whin ...	0 0 2							
Grey metal, with stone girdles ...	1 0 2							
Strong post ...	0 3 4							
Dark scamy post, with water ...	1 1 6							
Grey metal ...	0 5 5							
Strong white post, with water ...	0 3 3							
Grey whin ...	0 0 6							
Brown post ...	0 2 6							
Grey metal ...	1 2 1							
Brown scamy post ...	0 1 4							
Grey metal, with post girdles ...	2 0 3							
Black metal, with scares of coal ...	0 3 3							
<b>COAL</b> ...	0 0 5							
					9	0	2	
Grey metal ...	0 2 0							
Scamy post ...	3 1 9							
Strong post ...	2 1 7							
Grey metal ...	0 4 2							
Blue stone ...	0 3 2							
Grey metal ...	0 2 7							
Grey shivery post ...	2 4 6							
White post ...	0 2 0							
Strong white post ...	1 2 3							
Dark brown shivery post ...	0 1 10							
<b>COAL</b> ...	0 1 3							
					12	3	1	
Grey metal ...	0 2 8							
Grey shivery post ...	1 1 1							
Strong white post ...	2 0 0							
Grey metal ...	0 2 7							
White post ...	0 4 4							
Strong white post ...	0 1 5							
Grey metal ...	0 0 3							
Strong grey scamy post	0 3 11							
Dark shivery post ...	0 2 6							
Dark grey metal ...	1 0 5							
Black stone ...	0 1 3							
Grey metal ...	0 2 4							
<b>COAL</b> ...	0 0 5							
					7	5	2	
Carried forward 69 3 2								

\* Another account gives this seam as:—

	Ft.	In.	Fs.	Ft.	In.
<b>COAL</b> , good and strong	2	0			
Band	0	4			
<b>COAL</b> , good and strong	2	3			
			0	4	7

## No. 2,259.—WILLINGTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				69	3	2	Brought forward	7	1	4	69	3	2
Grey scamy post ...	0	1	6				Black metal ...	0	0	8			
Grey metal, mixed							<b>COAL</b> ...	0	1	6			
with post ...	0	1	11								7	3	6
Brown scamy post ...	0	5	5				Grey metal ...	0	0	8			
Strong white post ...	0	1	4				Grey post ...	0	3	9			
Grey whin, with water	0	0	8				Blue metal ...	0	3	5			
Strong grey post ...	0	5	3				White post ...	0	4	6			
Dark grey metal ...	0	1	11				Dark grey metal, with						
Dark blue metal ...	0	2	7				post girdles ...	1	1	4			
Strong white post ...	1	3	6				Strong white post ...	0	1	10			
Strong scamy post and							Dark grey metal, with						
water ...	1	0	1				post girdles ...	0	4	9			
Grey metal stone ...	0	3	11				In dark grey metal ...	0	4	8			
Blue metal ...	0	3	3								5	0	11
Carried forward	7	1	4	69	3	2	Total ...				82	1	7

## No. 2,260.—WILLINGTON.

TOWNSHIP OF HELMINGTON ROW, DURHAM.

Sheet 34 of Ordnance Map. Lat. \_\_\_\_\_

, Long. \_\_\_\_\_

*Account of No. 1 Boring at Sunnybrow, North of Whin Dyke, and in the second Field West of Sunnybrow Farm House. June 8th, 1838.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Blue clay ...	2	3	0				Brought forward	2	2	0	19	1	1
<b>COAL</b> , mixed with							White post, with metal						
clay ...	0	1	6				parting and water...	7	4	11			
				2	4	6	Grey metal, with post						
Blue clay, mixed with							girdles ...	0	4	7			
sand ...	11	0	0				<b>COAL</b> ( <i>supposed Five-</i>						
Brown freestone ...	0	4	0				<i>Quarter Coal Seam</i> )	0	2	10			
Grey metal, with post											11	2	4
girdles ...	2	0	6				Grey metal ...	0	3	5			
<b>COAL</b> ...	0	1	10				Grey post ...	1	0	0			
				14	0	4	White post, with water	7	2	9			
Grey metal ...	0	2	5				<i>Supposed Main Coal</i>						
Grey post ...	1	2	4				<i>Seam—</i>						
Dark grey metal ...	0	2	0				Ft. In.						
<b>COAL</b> , foul... ..	0	1	6				<b>COAL</b> ...	4	2				
				2	2	3	<b>COAL</b> , coarse						
Band ...	0	1	7				or splint ...	0	4				
Grey post, with water	2	0	5								0	4	6
(Set away the water at													
the depth of 21 fs.											9	4	8
3 ft. 1 in.)							Soft grey metal ...				1	0	0
Carried forward	2	2	0	19	1	1	Total ...				41	2	1

## No. 2,261.—WILLINGTON.

TOWNSHIP OF WILLINGTON, DURHAM.

Sheet 34 of Ordnance Map. Lat. , Long.

*Account of No. 2 Boring, to the South and East of Sunnybrow House, 130 yards  
South of Whin Dyke, by the Riverside.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Strong blue clay ...	3	3	0				Brought forward				10	2	11½
Brown freestone post	1	5	4				Grey post ...	0	0	10			
Grey post, with water	4	2	8				Grey metal ...	1	1	0			
<i>Supposed 5/4 Seam—</i>							Grey post ...	2	4	5			
<b>COAL</b> ...	Ft.	In.					Grey metal ...	0	4	1½			
<b>COAL</b> , coarse	3	6					Grey post ...	0	2	4			
or splint ...	0	5½									5	0	8½
				0	3	11½							
Carried forward							Total ...				15	3	8

## No. 2,262.—WILLINGTON.

TOWNSHIP OF HUNWICK AND HELMINGTON, DURHAM.

Sheet 34 of Ordnance Map. Lat. , Long.

*Account of No. 3 Boring, close to Hunwick Lane. June 8th, 1838.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brown clay ...	1	1	0				Brought forward				4	1	0
Black metal ...	0	3	0				Grey metal ...	0	0	6			
Grey metal ...	2	1	2				Blue clay ...	6	3	0			
							Stone and coal	0	0	7			
<b>COAL</b> ...	Ft.	In.					Grey post ...	0	1	6			
<b>COAL</b> , coarse	1	6									6	5	7
Band ...	0	2											
<b>COAL</b> ...	0	2											
				0	1	10							
Carried forward							Total ...				11	0	7

This hole was lost.

## No. 2,263.—WILLINGTON.

TOWNSHIP OF HELMINGTON ROW, DURHAM.

Sheet 34 of Ordnance Map. Lat. , Long.

*Account of No. 4 Boring, about half way between Job's Hill and Sunnybrow House, say about 1,200 yards from Job's Hill.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brown clay ...	1	3	0				Brought forward	9	2	5	18	5	2
Grey metal ...	2	3	0				Grey metal ...	1	2	0			
Black stone ...	0	4	5				<b>COAL</b> , with a band						
Strong blue clay ...	6	0	6				4 inches ...	0	3	2			
<b>COAL</b> , foul...	0	0	7								11	1	7
				10	5	6	Grey metal ...	0	2	10			
Grey post ...	0	4	6				<b>COAL</b> ...	0	0	9			
Grey metal ...	0	5	0								0	3	7
Strong grey post ...	1	4	0				Grey metal ...	0	2	0			
Soft grey metal ...	2	1	5				Grey post ...	0	3	3			
<b>COAL</b> (set away the							Strong grey metal						
water at 16 fathoms							stone ...	2	3	2			
4 feet 8 inches) ...	0	1	9				White post, with water	4	4	6			
				5	4	8							
Grey metal ...	1	4	2										
<b>COAL</b> ...	0	2	10										
				2	1	0							
Grey post ...	0	4	6										
Brown post ...	3	1	6								8	5	8
White post ...	4	3	8										
Strong grey metal													
stone ...	0	4	9										
Carried forward	9	2	5	18	5	2	Total ...				39	4	0

## No. 2,264.—WILLINGTON.

TOWNSHIP OF HELMINGTON ROW, DURHAM.

Sheet 34 of Ordnance Map. Lat. , Long.

*Account of No. 5 Boring upon the Willington Estate, about 100 yards East of the Railway Bridge that crosses the River Wear, on the West Durham Railway.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and sand ...	1	2	8				Brought forward	5	5	6			
Blue clay ...	2	0	10				White post ...	3	5	6			
Brown freestone post	2	2	0				<b>COAL</b> ...	0	4	0			
											10	3	0
Carried forward	5	5	6				Carried forward				10	3	0



## No. 2,264.—WILLINGTON.—CONTINUED.

Brought forward	Fs.	Ft.	In.	Fs.	Ft.	In.
	10	3	0			
Thill ...	0	0	9			
Grey metal ...	1	1	7			
Brown post ...	0	2	0			
White post ...	0	3	8			
Grey metal ...	0	4	1			
Brown post ...	0	1	9			
White post ...	0	1	0			
Grey metal ...	0	1	1			
Brown post ...	0	4	3			
Grey metal ...	0	4	9			
Brown post ...	0	3	0			
Grey whin ...	0	0	6			
Brown whin ...	0	1	10			
White post ...	0	3	3			
Grey metal ...	3	0	9			
Black metal stone ...	0	0	1			
<b>COAL</b> ...	0	0	6			
				9	4	10
Thill ...	0	5	11			
Brown post ...	0	1	4			
Black metal ...	0	0	10			
Brown freestone post ...	0	2	0			
Black metal ...	0	5	8			
Grey beds ...	1	0	9			
Black metal ...	0	1	6			
Brown post ...	0	2	6			
White post ...	0	3	2			
Black metal ...	1	2	6			
Black metal, with coal ...	0	1	0			
Carried forward	6	3	2	20	1	10
Brought forward	Fs.	Ft.	In.	Fs.	Ft.	In.
	6	3	2	20	1	10
Thill ...	0	2	10			
Grey beds ...	0	1	4			
Grey metal ...	0	2	3			
Strong white post ...	0	1	4			
Strong grey whin ...	0	0	9			
Strong grey post ...	0	3	0			
White post ...	0	1	11			
White whin ...	0	1	0			
Strong brown post, with small partings ...	0	3	1			
White post ...	1	0	8			
Grey post ...	0	2	0			
White post ...	0	4	0			
Black metal ...	0	0	5			
<b>COAL</b> ...	0	0	7			
				11	4	4
Strong thill ...	0	3	0			
Strong grey beds ...	0	3	4			
<b>COAL</b> ...	0	0	2			
				1	0	6
Strong white post ...	1	3	6			
Strong grey beds ...	0	2	6			
White post ...	1	4	8			
Strong grey beds ...	0	4	6			
Grey post ...	0	2	6			
Grey metal, with post girdles ...	1	1	0			
				6	0	8
Total ...				39	1	4

## No. 2,265.—WILLINGTON.

TOWNSHIP OF HELMINGTON ROW, DURHAM.

Sheet 34 of Ordnance Map. Lat. , Long.

*Section of Strata sunk through at Willington Colliery, near Brancepeth.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Outset ...	0	3	0			
Soil ...	0	0	9			
Yellow clay ...	0	2	0			
Blue clay ...	4	1	3			
Fire clay ...	0	2	0			
<b>COAL</b> ...	0	0	1			
				5	3	1
Carried forward	5	3	1			
Brought forward	Fs.	Ft.	In.	Fs.	Ft.	In.
				5	3	1
Fire clay ...	0	2	1			
Post girdle ...	0	0	7			
Marl ...	0	2	8			
Jointy post ...	1	5	2			
Grey metal ...	0	0	6			
Carried forward	2	5	0	5	3	1

## No. 2,265.—WILLINGTON.—CONTINUED.

Brought forward		Fs.	Ft.	In.	Fs.	Ft.	In.
		2	5	0	5	3	1
		Ft. In.					
COAL	...	0	8				
Black band	...	0	1½				
COAL	...	0	9				
				0	1	6½	
						3	0 6½
Fire clay	...	0	4	8			
Metal and grey girdles	...	0	5	0			
Blue metal	...	0	2	6			
COAL	...	0	0	9			
						2	0 11
Thill	...	0	1	10			
Grey post	...	0	0	11			
Girdle	...	0	0	3			
Blue metal	...	0	1	9			
COAL	...	0	0	5			
						0	5 2
Fire clay	...	0	3	0			
Grey metal	...	2	2	6			
Black metal	...	0	1	4			
COAL	...	0	1	6½			
						3	2 4½
Fire clay	...	0	3	5			
Brown post	...	2	2	0			
Blue metal	...	0	2	7			
		Ft. In.					
COAL	...	0	8				
Stone and band	...	0	2				
COAL, clean	...	2	0				
				0	2	10	
						3	4 10
Carried forward						18	4 11

Brought forward		Fs.	Ft.	In.	Fs.	Ft.	In.
		8	1	0	18	4	11
White post	...	8	1	0			
Blue whin	...	0	4	0			
White post	...	1	3	0			
COAL	...	0	1	4			
						10	3 4
Fire clay	...	0	1	6			
Blue metal	...	0	5	3			
COAL	...	0	1	0			
						1	1 9
Fire clay	...	0	3	5			
COAL	...	0	1	3			
						0	4 8
Fire clay	...	0	1	3			
Blue metal	...	0	2	0			
Grey post girdles	...	0	3	6			
White post	...	1	2	0			
Grey whin	...	0	2	6			
White post	...	0	2	4			
Brown post girdles	...	0	0	10			
White post	...	1	5	0			
Blue metal	...	0	2	7			
Main Coal Seam—		Ft. In.					
COAL	...	0	2				
Black stone	...	0	9				
COAL	...	4	3				
Splint	...	0	4				
				0	5	6	
						6	3 6
Total		...	...			38	0 2

## No. 2,266.—WILLINGTON.

TOWNSHIP OF HELMINGTON ROW, DURHAM.

Sheet 34 of Ordnance Map. Lat. 54° 42' 15", Long. 1° 41' 52".

Section of Strata sunk through in the B Pit, Willington Colliery.

Approximate surface level 300 feet above sea (Ordnance datum).

		Fs.	Ft.	In.	Fs.	Ft.	In.
		0	1	0	5	0	0
Soil	...	0	1	0			
Blue clay	...	0	5	0			
Loamy clay	...	0	4	0			
Sand	...	0	0	8			
Blue clay	...	3	1	4			
Carried forward		5	0	0			

Brought forward		Fs.	Ft.	In.	Fs.	Ft.	In.
		5	0	0	9	4	0
Sand	...	1	0	0			
Loamy clay	...	1	4	0			
Strong blue clay	...	1	0	0			
Sand	...	1	0	0			
Carried forward		9	4	0			

## No. 2,266.—WILLINGTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward	9	4	0				Brought forward	2	0	2	18	1	10	
Strong blue clay ...	3	2	0				Five-Quarter Seam—							
Blue metal ...	0	2	0					Ft.	In.					
COAL ...	0	1	8				COAL, coarse	0	4					
				13	3	8	Jet ...	0	5					
Grey metal ...	0	2	2				COAL ...	2	2					
Seggar ...	0	0	10							0	2	11		
Grey metal ...	0	5	4									2	3	1
Whin ...	0	1	6				Seggar ...	0	0	6				
Grey metal ...	2	3	2				Grey metal ...	0	4	6				
Dark blue metal ...	0	1	4				Post ...	6	5	3				
COAL ...	0	1	10				Stong blue metal ...	3	1	4				
				4	4	2								
Seggar ...	0	2	0				COAL ...	1	3					
Light blue metal ...	0	4	0				Band ...	0	1 $\frac{1}{4}$					
Post ...	0	2	0				COAL ...	1	2					
Dark metal ...	0	1	6				Band ...	0	1 $\frac{1}{4}$					
Post ...	0	1	6				COAL ...	0	6					
Blue metal ...	0	1	2							0	3	1 $\frac{1}{2}$		
												11	2	8 $\frac{1}{2}$
Carried forward	2	0	2	18	1	10	Seggar ...					0	1	4
							Total ...					32	2	11 $\frac{1}{2}$

## No. 2,267.—WILLINGTON.

TOWNSHIP OF WILLINGTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

Bored near Willington, in a Gill 700 or 800 yards North from a Bridge, near the Half-way House, Shields Road. 1752.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and gravel ...	0	3	0				Brought forward	12	0	0			
Brown and grey ramby post, with water ...	1	0	0				Blue metal ...	2	4	0			
Soft brown sandy metal ...	0	2	0				Black metal ...	0	1	0			
Open brown and grey scamy post ...	3	0	0				Grey metal ...	1	1	0			
Brown and grey sandy metal ...	2	3	0				Brown, grey, and red scamy metal, with girdles or lumps ...	1	1	6			
Open brown post, with water ...	1	0	0				White post with grey scamy partings ...	1	0	0			
Brown scamy post, with girdles and partings ...	3	4	0				Red and grey scamy stone, with girdles or lumps ...	0	4	0			
							Brown and grey girdly post ...	1	3	0			
Carried forward	12	0	0										
							Carried forward	20	2	6			

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	20	2	6			
Brown and grey open post, and set away the water ...	2	3	0			
Grey and white post, with brown scamy partings ...	1	0	0			
White post ...	1	3	0			
Whin girdles, mixed with post ...	0	2	6			
White post ...	3	1	0			
Grey and red scamy metal stone, with girdles and partings	2	0	0			
White post, with grey scamy partings ...	1	3	0			
Blue metal ...	0	1	0			
White post, mixed with whin ...	0	4	0			
White and grey post	1	0	0			
Grey metal ...	1	0	0			
Soft black and grey metal, mixed with coal ...	0	1	8			
<b>COAL</b> , hard foul brassy ...	0	1	0			
				35	4	8
Strong white post ...	0	0	6			
White post, with grey scames ...	2	4	0			
Grey metal stone, with post girdles ...	1	2	0			
White post ...	1	4	6			
Blue metal ...	0	3	0			
Black and blue metal	1	0	0			
Grey metal stone ...	1	0	0			
White post ...	0	3	0			
Grey post ...	0	4	0			
Strong white post ...	0	5	0			
Whin ...	0	1	0			
Strong white post ...	1	0	0			
White and grey post	0	5	0			
<b>COAL</b> ...	0	0	6			
				12	2	6
Grey metal and grey metal stone ...	2	1	0			
Post girdles, with metal partings ...	1	0	0			
Grey post ...	0	3	0			
Grey post girdles, with blue and black partings ...	1	0	0			
Grey and black metal, mixed with coal ...	0	1	0			
Blue metal, with girdles or catheads ...	1	0	0			
Carried forward	5	5	0	48	1	2

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	5	5	0	48	1	2
Grey and black metal, with some small scares of coal ...	0	1	0			
<b>COAL</b> ...	0	0	3			
				6	0	3
Soft black and grey metal, with girdles	0	2	0			
White post ...	0	3	0			
Grey metal stone ...	1	0	0			
Blue metal, with girdles or catheads ...	1	0	0			
<b>COAL</b> , foul at the bottom ...	0	0	9			
				2	5	9
Blue metal ...	0	4	0			
<b>COAL</b> , foul... Ft. In.	0	6				
Blue metal ...	0	4				
<b>COAL</b> , foul... 0 6						
<b>COAL</b> ... 0 8						
				0	2	0
				1	0	0
Grey metal ...	0	1	8			
Grey metal stone, with post girdles ...	0	3	0			
Blue and black scamy metal ...	0	4	6			
White post ...	1	0	0			
White post, mixed with whin and water ...	0	0	8			
Blue metal ...	0	3	0			
Blue and black metal	0	3	0			
Black slaty metal, mixed with coal ...	0	0	9			
<b>COAL</b> ...	0	0	5			
				3	5	0
Blue metal stone, with mixture whin girdles or lumps ...	1	3	0			
<b>COAL</b> ...	0	0	10			
				1	3	10
Black and grey metal, with girdles or lumps ...	1	5	0			
Grey metal stone ...	1	3	0			
White post, mixed with whin ...	0	1	6			
Grey metal stone ...	2	0	1			
White post ...	0	4	4			
Strong white post, mixed with whin ...	2	1	5			
Whin ...	0	0	11			
Strong white post, mixed with whin ...	0	1	0			
Whin ...	0	0	4			
Mixture whin ...	0	4	5			
Carried forward	9	4	0	63	4	0



## No. 2,267.—WILLINGTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	9	4	0	63	4	0	Brought forward	16	4	6	63	4	0
White post ...	0	1	4				Black metal, mixed						
Whin ...	0	5	0				with coal ...	0	0	8			
Strong white post,											16	5	2
mixed with whin ...	1	2	0				Blue metal ...	0	2	10			
Strong white post,							Hard black grey						
with water ...	1	0	0				girdly stone ...	0	1	6			
Strong white post,							Grey metal stone ...	0	1	0			
with some black							White and grey post	0	1	6			
scames ...	0	3	0				Black metal, with hard						
Whin ...	0	0	9				girdles or lumps ...	1	1	0			
Strong white post,							Black metal, with some						
mixed with whin ...	1	0	0				small white scames...	0	4	4			
Strong white and grey							Black metal, with						
post girdles, with							girdles or lumps ...	1	1	0			
metal partings ..	0	4	9				COAL, foul ...	0	0	4			
White post ...	0	2	6								4	1	6
Blue metal, with white							Grey metal stone ...	0	2	0			
scames ...	0	1	6				Grey and white post	0	2	6			
Blue metal ...	0	2	2				Whin ...	0	0	4			
Black slaty metal ...	0	0	10				White and grey post	0	2	6			
COAL ...	0	0	8								1	1	4
Carried forward	16	4	6	63	4	0					86	0	0

## No. 2,268.—WILLINGTON.

TOWNSHIP OF WILLINGTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 55° 0' 42", Long. 1° 30' 3".

*Bored in the Millbank Pit, at Willington. February 23rd, 1775.*

Approximate surface level 195 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to the scaffold...				18	3	0	Brought forward	8	4	3	31	4	5
In box ...	6	0	0				Grey metal ...	0	3	6			
Grey and blue metal...	2	1	0										
COAL ...	0	2	5				COAL ...						
				8	3	5	Blue metal ...	0	5				
Blue metal ...	4	3	0				COAL ...	2	9				
COAL ...	0	1	0								0	4	0
				4	4	0					9	5	9
Grey and blue metal,	0	4	7				Grey metal ...	0	4	6			
with girdles ...	4	3	5			*	White and grey scamy						
Grey scamy post ...	0	0	9				post ...	1	0	0			
Black metal, mixed							Grey metal stone ...	1	0	0			
with coal ...	0	1	6				COAL, foul ...	0	0	6			
Grey metal stone ...	2	4	0								2	5	0
Black metal ...	0	2	0										
Carried forward	8	4	3	31	4	5	Carried forward				44	3	2

\* Approximate sea level (Ordnance datum).

## No. 2,268.—WILLINGTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				44	3	2	Brought forward	15	3	0	48	1	8
Grey metal ...	...	...	...	3	0	0	Grey metal stone, with	...	...	...	...	...	...
<b>COAL</b> ...	...	...	...	0	1	2	black scames ...	...	0	1	6		
							<b>COAL</b> ...	...	0	0	1		
Grey metal ...	...	...	...	0	2	10	Grey metal ...	...	0	0	5		
<b>COAL</b> , foul ...	...	...	...	0	0	6	<b>COAL</b> ...	...	...	...	0	0	10
											15	5	10
Grey and white post...	...	...	...	0	5	0	Grey scamy metal	...	...	...	...	...	...
Grey metal stone, with	...	...	...				stone, with post	...	...	...	...	...	...
post girdles and	...	...	...				girdles ...	...	2	4	0		
water ...	...	...	...	3	4	0	Grey scamy post ...	...	0	2	3		
Whin ...	...	...	...	0	3	0	Mixture whin ...	...	0	1	3		
Grey metal stone, with	...	...	...				Grey metal stone, with	...	...	...	...	...	...
post girdles ...	...	...	...	5	0	0	post girdles ...	...	1	0	0		
Strong grey post ...	...	...	...	1	0	0	Blue metal, with post	...	...	...	...	...	...
Grey metal ...	...	...	...	0	3	0	girdles ...	...	1	0	0		
Soft black grey metal	...	...	...	0	4	6	Black stone ...	...	0	2	0		
Soft grey and red	...	...	...				Grey metal stone ...	...	0	4	0		
ramble ...	...	...	...	1	1	6	In grey metal ...	...	0	4	0		
Blue grey scamy metal	...	...	...	2	0	0					6	5	6
Carried forward	15	3	0	48	1	8	Total ...	...	...	...	71	1	0

## No. 2,269.—WILLINGTON.

TOWNSHIP OF WILLINGTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 55° 0' 34", Long. 1° 30' 27".

*Sunk in the Edward Pit, Willington Colliery.*

Approximate surface level 185 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and blue clay ...	...	...	...	6	0	8	Brought forward	...	...	...	52	1	0
Blue scamy metal ...	...	...	...	2	0	4	Blue stone ...	...	4	1	6		
Brown post ...	...	...	...	5	2	8	Strong white post ...	...	1	1	6		
Blue grey metal ...	...	...	...	2	3	4	Blue stone ...	...	1	4	0		
Black stone ...	...	...	...	0	3	0	<b>COAL</b> , foul ...	...	0	1	0		
Brown scamy post ...	...	...	...	1	1	0					7	2	0
Scamy post ...	...	...	...	4	3	0	Blue stone ...	...	1	4	0		
Blue and brown scamy	...	...	...				<b>COAL</b> , foul... ..	...	0	1	4		
metal ...	...	...	...	0	5	0					1	5	4
Grey post, with soft	...	...	...				Blue stone ...	...	1	4	6		
partings ...	...	...	...	6	2	6	Grey post ...	...	1	3	0		
Blue scamy metal ...	...	...	...	1	1	6	Grey metal stone ...	...	1	1	4		
				4	0	6	<b>COAL</b> ...	...	0	1	0		
<b>COAL</b> ...	...	...	...	0	0	6					4	3	10
Blue metal, with	...	...	...				Grey metal, with	...	...	...	...	...	...
girdles ...	...	...	...	12	4	6	girdles ...	...	2	5	0		
Grey post ...	...	...	...	3	4	6	Strong white post,	...	...	...	...	...	...
Blue metal ...	...	...	...	0	3	0	mixed with whin ...	...	13	3	0		
<b>COAL</b> , foul ...	...	...	...	0	1	0							
Carried forward	52	1	0				Carried forward	16	2	0	66	0	2

\* Approximate sea level (Ordnance datum).

## No. 2,269.—WILLINGTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	16	2	0	66	0	2
Blue and black metal, with post girdles ...	4	3	0			
<b>COAL</b> ...	0	0	10			
				20	5	10
Grey metal stone ...	1	3	0			
Strong white post ...	1	3	0			
Whin ...	0	2	0			
Post, mixed with whin	6	3	0			
<b>COAL—High Main Coal Seam</b> ...	1	0	0			
				10	5	0
Depth to the <i>High Main Coal Seam</i> ...				97	5	0
<i>Bored Nov. 19, 1793, in a Staple near the Edward Pit:—</i>						
Grey metal stone, with whin girdles ...	6	0	0			
Grey metal stone and girdles ...	5	1	9			
<b>COAL</b> ...	0	2	9			
Grey metal stone, with girdles ...	2	2	0			
Dark grey metal stone and metal, with post girdles ...	3	4	4			
White post ...	1	2	0			
Dark grey metal stone and metal, with post girdles ...	2	3	11			
Dark grey metal stone	0	5	0			
Black metal, with <i>coal pipes</i> ...	0	0	8			
Dark metal, with girdles ...	1	0	4			
Whin, with partings and water ...	0	1	6			
Grey metal stone ...	0	1	6			
Whin ...	0	0	6			
Grey metal stone and whin girdles ...	0	3	3			
Whin ...	0	2	0			
Grey metal stone and metal, with post girdles ...	4	1	0			
<i>Yard Seam—</i> Ft. In.						
<b>COAL</b> ...	2	4				
Grey metal stone ...	2	0				
<b>COAL</b> ...	0	9				
				0	5	1
				30	1	7
Grey metal stone and metal, with post girdles ...	2	0	0			
Carried forward	2	0	0	128	0	7

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	0	0	128	0	7
Black metal ...	0	0	9			
Grey metal stone ...	0	4	9			
Whin ...	0	0	5			
Dark grey metal stone and metal, with post girdles ...	1	4	0			
White post, with metal partings ...	0	4	0			
Dark grey metal and metal stone, with whin girdles ...	2	5	2			
Whin, with a mixture of strong post (9 days) ...	0	1	10			
Dark grey metal and metal stone ...	2	0	0			
<i>Bensham Seam—</i>						
<b>COAL</b> ... Ft. In.						
				3	10	
<b>COAL</b> , hand... 0 10						
				0	4	8
				11	1	7
Grey metal stone and grey metal ...	0	4	0			
White and grey post, with partings ...	1	0	0			
Grey metal and metal stone ...	2	2	4			
Soft grey and black metal ...	0	5	0			
<b>COAL</b> , with sulphur and water ...	0	1	6			
				5	0	10
Grey metal ...	0	0	6			
White and grey post	0	4	6			
Grey metal stone ...	0	2	5			
<b>COAL</b> , with water ...	0	1	3			
				1	2	8
Grey metal stone ...	0	5	0			
White post ...	0	3	1			
Whin ...	0	0	6			
Strong white post ...	0	1	6			
Grey metal and metal stone, with whin girdles ...	4	0	0			
<i>Five Quarter Coal Seam—</i>						
<b>COAL</b> , with sulphur and						
water ... Ft. In.						
				1	9	
Grey metal	0	2				
<b>COAL</b> , with sulphur and water ...				1	0	
				0	2	11
				6	1	0
Carried forward				152	0	8

## No. 2,269.—WILLINGTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward				152	0	8	Brought forward				155	3	3	
Whin and white post alternately ...	1	4	1				Grey metal stone ...	0	3	6				
Grey metal stone, with girdles ...	1	1	2				Strong white post, with water ...	5	3	3				
<i>Hutton Seam</i> — COAL, foul, with soft thill ...	0	3	4				Dark grey metal ...	0	4	9				
				3	2	7	COAL, splinty, with grey metal ...	0	3	1		7	2	7
							Grey metal stone ...				1	2	9	
Carried forward				155	3	3	Total sunk and bored				164	2	7	

The depth of this pit from the surface to the offtake or Tyne level drift is 30½ fathoms, high water mark.

## No. 2,270.—WILLINGTON.

TOWNSHIP OF WILLINGTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

Bored in the Sinking Pit, Willington, near the Boundary House. February 5th, 1795.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to the scaffold...	13	0	6				Brought forward	13	3	0	33	1	4
Box ... ..	4	0	0				Strong grey metal						
				17	0	6	stone ... ..	1	2	2			
Strong white post, with							Black stone, with						
water ... ..	1	1	6				sparkles of coal ...	0	3	8			
Brown scamy metal...	0	3	9				COAL ... ..	0	0	4			
Whin ... ..	0	0	9								15	3	2
Strong white thready							Grey metal, with gir-						
post, and settled the							dles or lumps ...	3	0	0			
water ... ..	5	2	0				COAL ... ..	0	0	9			
Grey scamy metal											3	0	9
stone, with post							Grey scamy post ...	1	0	0			
girdles ... ..	3	2	0				Mixture whin ...	0	1	6			
Whin mixture ...	0	1	6				White and grey						
Grey metal and metal							thready post, with						
stone ... ..	4	1	0				water, and set away						
Black and grey metal,							the top feeders ...	0	4	6			
with some scares of							Strong grey metal						
coal ... ..	0	5	6				stone, with girdles	1	1	0			
COAL ... ..	0	0	10				COAL ... ..	0	1	0			
				16	0	10					3	2	0
Grey metal ... ..	0	0	6				Grey metal, with coal						
Grey scamy stone, with							pipes and hard						
post girdles and							lumps ... ..	1	1	3			
metal partings ...	7	4	6				Grey metal and metal						
White post ... ..	0	1	0				stone, with post						
Whin ... ..	0	2	3				girdles ... ..	2	4	9			
Grey post ... ..	0	0	9				Strong white post, with						
Whin ... ..	0	3	0				water ... ..	0	4	6			
Grey and white post,							Grey metal stone ...	0	3	0			
with partings and							In strong white post,						
water ... ..	4	3	0				with water ...	0	3	6			
											5	5	0
Carried forward	13	3	0	33	1	4	Total .. ..				61	0	3



## No. 2,271.—WILLINGTON.

TOWNSHIP OF WILLINGTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

, Long.

*Bored in Willington Estate, about 830 yards to the South from Shiremoor New Engine and near the New Winning.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk about ...	6	3	0										
Box ...	0	1	8										
				6	4	8							
Blue and brown scamy metal ...	2	1	4										
Brown scamy post, with rambly partings and water, and set away the top feeder ...	5	2	8										
Blue grey metal ...	2	3	4										
Black stone ...	0	3	0										
Brown scamy metal...	1	1	0										
Grey post, with scamy partings and water	4	3	0										
Blue and red scamy metal ...	0	5	0										
Grey and brown post, with soft scamy partings ...	6	2	6										
Blue metal, with brown scames ...	5	2	0										
COAL ...	0	0	6	29	0	4							
Blue grey metal ...	1	3	0										
Black stone ...	0	0	4										
COAL ...	0	0	9	1	4	1							
Grey scamy metal stone, with post girdles ...	4	1	0										
Mixture whin, with water ...	0	1	10										
Grey metal stone ...	1	2	6										
Blue metal ...	1	4	6										
COAL ...	0	0	4	7	4	2							
Grey metal ...	0	1	3										
Hard girdle or lump	0	0	2										
Grey metal ...	0	2	0										
COAL ...	0	0	4	0	3	9							
Grey metal ...	0	1	0										
Grey post, with a mixture of whin ...	0	2	0										
Grey metal stone ...	1	1	9										
Grey and white post, with a mixture of whin at the bottom	2	1	3										
Carried forward	4	0	0	45	5	0							
Brought forward	4	0	0	45	5	0							
Grey metal ...	0	4	6										
Black metal ...	0	1	2										
COAL ...	0	0	5	5	0	1							
Grey metal ...	0	2	3										
Grey metal stone, with hard girdles ...	3	1	8										
Black stone ...	0	0	7										
COAL ...	0	0	5	3	4	11							
Grey metal ...	0	1	6										
Blue and grey metal stone, with strong white post girdles...	2	3	0										
Grey metal ...	0	1	6										
COAL ...	0	0	8	3	0	8							
Grey metal ...	1	0	0										
Black metal, with scares of coal ...	0	0	5										
Grey metal ...	0	0	5										
COAL ...	0	1	2	1	2	0							
Soft grey metal ...	0	1	6										
Grey metal stone ...	0	2	9										
Strong white post ...	0	1	8										
Grey metal stone, with strong girdles ...	1	4	8										
Black grey metal ...	0	1	3										
COAL ...	0	0	5	3	0	3							
Grey metal ...	0	0	8										
Grey post ...	0	2	0										
Grey metal stone, with post girdles ...	2	3	5										
COAL ...	0	1	3	3	1	4							
Grey metal ...	0	1	0										
Grey metal stone, with post girdles ...	1	0	9										
Black stone ...	0	2	0										
Grey metal stone, with girdles ...	1	2	0										
Grey and white post	1	0	0										
Whin ...	0	1	0										
Strong white post ...	1	0	3										
Carried forward	5	1	0	65	2	3							

## No. 2,271.—WILLINGTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	5	1	0	65	2	3	Brought forward	14	4	6	82	4	3
White post, with water near the bottom ... ..	6	2	0				<i>High Main Coal Seam—</i>						
Grey metal ... ..	0	4	6				COAL, with	Ft.	In.				
Strong white post ...	4	3	6				sulphur ...	6	3				
Grey and blue metal	0	2	9				Soft blue scamy						
COAL ... ..	0	0	3				metal ...	0	2				
				17	2	0	COAL, coarse	1	2				
Black metal ... ..	0	2	0							1	1	7	
Grey scamy stone, with strong girdles	1	3	0								16	0	1
Blue and black metal	2	2	0				Grey metal, mixed						
Grey metal stone ...	2	1	0				with coal ...	0	0	5			
Strong white post, with coal pipes and scamy partings near the bottom, with water in some places ... ..	8	2	6				In grey metal and metal stone ...	0	1	6			
											0	1	11
Carried forward	14	4	6	82	4	3	Total ... ..				94	0	3

## No. 2,272.—WILLINGTON.

TOWNSHIP OF WILLINGTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. \_\_\_\_\_

, Long. \_\_\_\_\_

*Sunk to the High Main Coal in the South Winning Pit, Willington Colliery. 1807.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset ... ..				3	0	0	Brought forward				40	0	3
Soil and clay ... ..	20	0	0				Grey metal, with post						
Gravel ... ..	1	0	0				girdles ... ..	1	0	0			
Sand ... ..	0	3	0				Blue stone ... ..	2	3	0			
				21	3	0	COAL, with water...	0	0	11			
Blue ramble ... ..	0	4	0								3	3	11
Brown post ... ..	3	0	0				Whin ... ..	0	0	8			
Grey metal stone ...	5	0	0				Post ... ..	1	0	0			
COAL ... ..	0	0	9				Grey post, with girdles	3	3	0			
				8	4	9	Whin stone, with water	0	2	0			
Grey metal, with post							Grey post, with blue						
girdles ... ..	3	0	0				girdles ... ..	2	3	0			
White post ... ..	2	4	0				Black stone ... ..	1	3	0			
Grey metal stone ...	1	0	0				Grey metal stone, with						
COAL ... ..	0	0	6				water ... ..	0	4	6			
				6	4	6	White post, with water	4	1	0			
Carried forward				40	0	3	Carried forward	13	5	2	43	4	2

## No. 2,272.—WILLINGTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	13	5	2	43	4	2	Brought forward	2	0	0	74	3	10
Grey and blue metal stone, with post girdles ... ..	1	1	9				Blue stone ... ..	3	0	0			
COAL ... ..	0	0	6				Black stone ... ..	0	4	0			
				15	1	5	COAL, mixed with stone ... ..	0	0	9			
Blue grey metal, with strong post girdles	6	2	1								5	4	9
COAL ... ..	0	0	4				70-Fathoms Post—						
				6	2	5	White post ... ..	7	1	6			
White post ... ..	2	0	0				Blue stone, with post girdles ... ..	2	4	0			
Blue stone ... ..	2	0	0				Black stone ... ..	0	5	4			
COAL ... ..	0	1	9				COAL, foul ... ..	0	0	4			
				4	1	9					10	5	2
Blue stone ... ..	0	1	4				Black stone, with post girdles ... ..	1	0	0			
COAL ... ..	0	0	4				Black stone ... ..	2	4	0			
				0	1	8	COAL ... ..	0	0	3			
Blue stone, with post girdles ... ..	1	4	9								3	4	3
Post ... ..	0	4	6				Black stone ... ..	1	1	4			
Blue and black stone	1	0	6				Post girdles ... ..	0	2	8			
COAL ... ..	0	0	3				Main Post—						
				3	4	0	Post ... ..	10	3	0			
Blue and grey metal stone ... ..	0	5	6				Blue metal ... ..	0	0	9			
COAL ... ..	0	0	11								12	1	9
				1	0	5	COAL—High Main Coal Seam ... ..				1	0	3
Grey metal stone ... ..	0	4	0										
Whin and post ... ..	0	3	0										
Grey stone, with post girdles ... ..	0	5	0										
Carried forward	2	0	0	74	3	10					98	2	1

## No. 2,273.—WILLINGTON.

TOWNSHIP OF LONG BENTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 55° 0' 54", Long. 1° 33' 35".

*Bored at Willington Colliery, Richard Pit. Begun October 15th, 1810.*

Approximate surface level 200 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ... ..	5	3	0				Brought forward	11	3	6			
Brown post ... ..	6	0	0				Blue metal and girdles	9	0	0			
COAL ... ..	0	0	6				COAL, foul ... ..	0	0	9			
				11	3	6					9	0	9
Carried forward				11	3	6	Carried forward				20	4	3

## No. 2,273.—WILLINGTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				20	4	3	Brought forward				43	5	3
White post ...	3	0	0				Blue metal and girdles ...	4	0	0			
Grey metal and girdles ...	3	0	0				70-Fathoms Seam—						
Black metal ...	1	0	0				COAL ...	0	2	0			
Grey metal ...	2	0	0								4	2	0
Grey whin ...	2	0	0				Blue metal and girdles ...	5	0	0			
White post ...	1	0	0				COAL ...	0	0	6			
Blue whin ...	0	3	9								5	0	6
						*	Grey metal ...	3	0	0			
White post girdles ...	3	0	0				White post ...	6	0	0			
Blue metal ...	2	0	0				Grey metal ...	2	0	0			
COAL ...	0	1	0				White post ...	2	0	0			
				18	1	0	Black stone ...	2	3	0			
Grey post ...	3	0	0				COAL ...	0	0	9			
Blue metal ...	1	0	0								15	3	9
COAL ...	0	2	0				White post ...	11	3	0			
				4	2	0	COAL—High Main Seam ...	1	1	0			
Grey metal ...	0	3	0								12	4	0
COAL ...	0	1	0										
				0	4	0							
Carried forward				43	5	3	Total ...				81	3	6

\* Approximate sea level (Ordnance datum).

## No. 2,274.—WILLINGTON.

TOWNSHIP OF WILLINGTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

*Bored near Willington Quay, about 50 yards North-east of the Copperas House.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil, with a mixture of soft clay ...	0	2	3				Brought forward	1	3	0			
Leafy clay, with a mixture of sand and a sipping of water ...	0	3	0				Stony clay ...	0	1	3			
Sand, with a mixture of clay and water ...	0	2	3				Soft swelling clay ...	0	2	3			
Gravel, with water ...	0	1	6				Stony clay ...	0	2	9			
							Stony clay, with a small mixture of sand ...	0	0	6			
											2	3	9
Carried forward	1	3	0				Total ...				2	3	9



## No. 2,275.—WILLINGTON.

TOWNSHIP OF WILLINGTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

*Bored in the Second Place, 200 yards North from the First.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	1	0				Brought forward	4	5	6			
Soft brown stony clay	1	1	6				Soft stony clay ...	0	1	6			
Blue stony clay ...	2	0	0				Sand, with water ...	0	2	0			
Leafy clay ... ..	0	5	6				Stony clay ... ..	3	3	0			
Stony clay ... ..	0	1	6				Leafy clay ... ..	0	4	0			
Soft leafy clay, with a mixture of sand and a siping of water ...	0	2	0				Stony clay ... ..	2	4	3			
											12	2	3
Carried forward	4	5	6				Total ... ..				12	2	3

## No. 2,276.—WILLINGTON.

TOWNSHIP OF WILLINGTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

*Bored in the Third Place, 200 yards North from the Second.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	0	9				Brought forward	8	0	0			
Stony clay ... ..	4	0	9				Stony clay ... ..	2	5	0			
Sandy clay, with a small siping of water	0	1	6				Leafy clay ... ..	0	5	0			
Stony clay ... ..	1	0	0				Strong stony clay ...	9	2	0			
Leafy clay ... ..	2	3	0								21	0	0
Carried forward	8	0	0				Total ... ..				21	0	0

## No. 2,277.—WILLINGTON.

TOWNSHIP OF WILLINGTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat.

, Long.

*Account of Strata bored through at Willington Burn. Begun November 8th, 1836; ended 1837.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sand and water ...	0	2	6				Brought forward	9	1	2	30	4	11
Strong blue clay ...	9	0	6										
Grey metal ...	0	1	6				<b>COAL</b> ...	3	3				
	Ft.	In.					Splint ...	0	5				
<b>COAL</b> ...	1	6								0	3	8	
<b>COAL</b> , danty	0	9										9	4
			0	2	3								10
						10	0	9					
Grey metal ...	0	1	8				Strong whin ...	0	0	2			
Grey metal stone ...	1	0	0				Grey metal, with iron-	1	0	2			
Grey post ...	0	2	0				stone girdles ...	0	3	4			
Blue metal, with							Strong post ...	0	3	4			
partings ...	0	0	6				Dark scamy post, with	1	1	6			
Grey post ...	0	3	0				water ...	0	5	5			
Brown post, and set							Grey metal ...	0	3	3			
away the water ...	4	4	8				Strong white post, with	0	0	6			
Grey metal ...	0	1	3				water ...	0	2	6			
<b>COAL</b> ...	0	1	5				Grey whin ...	0	5	1			
				7	2	6	Brown post ...	0	2	6			
Grey metal ...	0	2	0				Grey metal stone ...	0	1	4			
Grey metal, with post							Brown scamy post ...	0	1	4			
girdles ...	1	3	0				Grey metal, with post	2	0	3			
Grey metal ...	0	4	11				girdles ...	0	3	3			
Black stone ...	0	0	6				Black metal, with	0	0	5			
<b>COAL</b> ...	0	0	9				scares of coal ...	0	0	5			
				2	5	2	<b>COAL</b> ...				8	3	2
Band ...	0	1	1										
Brown post, with water	0	1	6				Grey metal ...	0	2	0			
White post ...	5	3	10				Scamy post ...	3	1	9			
Strong post ...	1	1	4				Strong post ...	2	1	7			
Grey metal, with post							Grey metal ...	0	4	2			
girdles ...	1	4	3				Blue stone ...	0	3	2			
Grey metal ...	0	4	7				Grey metal ...	0	2	7			
	Ft.	In.					Grey shivery post ...	2	4	6			
<b>COAL</b> ...	1	9					Strong white post ...	0	2	0			
Band ...	0	4					Strong post ...	1	2	3			
<b>COAL</b> ...	1	10					Dark brown shivery	0	1	10			
			0	3	11		post ...	0	1	3			
						10	<b>COAL</b> ...				12	3	1
Grey metal ...	0	1	3										
Scamy post ...	1	3	0				Grey metal ...	0	2	8			
Grey metal ...	1	0	4				Grey shivery post ...	1	1	1			
Strong white post, with							Strong white post ...	2	0	0			
water ...	6	0	7				Grey metal ...	0	2	7			
Grey metal ...	0	2	0				White shivery post ...	0	4	4			
							Strong grey post ...	0	1	5			
Carried forward	9	1	2	30	4	11	Grey metal ...	0	0	3			
							Carried forward	5	0	4	61	4	0

## No. 2,277.—WILLINGTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward	5	0	4	61	4	0		Brought forward	3	0	0	69	3	2
Strong grey scamy post ...	0	3	11					Dark blue metal ...	0	2	7			
Dark shivery post ...	0	2	6					Strong white post ...	1	3	6			
Dark grey metal ...	1	0	5					Strong scamy post and water ...	1	0	1			
Black stone ...	0	1	3					Grey metal stone ...	0	3	11			
Grey metal ...	0	2	4					Blue and black metal	0	3	11			
<b>COAL</b> ...	0	0	5					<b>COAL</b> ...	0	1	6			
				7	5	2						7	3	6
Grey scamy post ...	0	1	6					Grey metal ...	0	0	8			
Grey metal, mixed with post ...	0	1	11					Grey post ...	0	3	9			
Brown scamy post ...	0	5	5					Blue metal ...	0	3	5			
Strong white post ...	0	1	4					White post ...	0	4	6			
Grey whin, with water	0	0	8					Dark grey metal, with post girdles ...	1	1	4			
Strong grey post ...	0	1	5					Strong white post ...	0	1	10			
Grey metal, inclining to post ...	0	2	6					Dark grey metal, with post girdles ...	0	4	9			
Strong grey post girdle ...	0	1	4					Dark grey metal ...	0	4	8			
Dark grey metal ...	0	1	11									5	0	11
Carried forward	3	0	0	69	3	2		Total ...				82	1	7

## No. 2,278.—WINDLESTON.

TOWNSHIP OF WINDLESTON, DURHAM.

Sheet 42 or 43 of Ordnance Map. Lat. , Long.

*Strata sunk through in the 16-feet Pit at Windleston Colliery for Messrs. Joseph Pease and Partners. Finished October, 1877.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	2	3	7	39	5	11
Clay ...	3	5	0				White post with ruddy partings ...	4	2	4			
				4	0	0	<b>COAL</b> ...	0	1	0			
Brown and blue limestone ...	30	4	8								7	0	11
				30	4	8	Seggar clay ...	0	1	9			
Grey metal ...	0	2	4				<b>COAL</b> ...	0	0	7			
White post ...	1	4	6								0	2	4
White post, with ruddy partings ...	1	2	0				Strong seggar	0	3	10			
Red sandstone ...	1	3	0				<b>COAL</b> ...	0	0	2			
Blue metal ...	0	0	6								0	4	0
<b>COAL</b> ...	0	0	11				Black metal ...	0	1	0			
				5	1	3	Blue metal, with iron-stone nodules ...	3	2	4			
Seggar clay ...	0	3	6				Carried forward	3	3	4	48	1	2
Strong grey metal ...	2	0	1										
Carried forward	2	3	7	39	5	11							

## No. 2,278.—WINDLESTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.				
Brought forward	3	3	4	48	1	2		Brought forward			88	3	4				
<i>Hutton Seam</i> —								Seggar	...	...	0	0	6				
COAL	...	2	1					Strong grey metal	...	...	0	5	6				
Splint	...	0	8					Blue metal, with iron	...	...	1	4	6				
				0	2	9		balls	...	...	0	2	6				
							4	0	1								
Soft seggar clay	...	0	2	4				COAL, can-	}	*	0	4					
White post, with open	...	2	3	6				nel ...									
gullets	...	0	1	4				COAL, good			1	2					
Grey metal	...	0	0	4							0	1	6				
COAL	...	0	0	4									3	2	6		
							3	1	6								
Seggar	...	0	5	8				Seggar	...	...	0	0	10				
Blue metal	...	1	3	8				White post, with whin	...	...							
White post with black	...							balls	...	...	4	0	8				
metal partings, with	...							Grey metal	...	...	0	0	2				
open gullets	...	1	4	6				COAL, coarse	...	...	0	1	6				
Seggar, with coal	...													4	3	2	
pipes	...	0	0	7				Coarse seggar	...	...	0	2	0				
Grey metal	...	0	2	0				Grey metal, with iron	...	...							
White post, with	...							balls	...	...	6	0	9				
ruddy partings	...	2	2	0				COAL, very coarse	...	...	0	0	10				
Strong grey metal	...	1	4	4													
COAL	...	0	0	2													
							8	4	11								
Seggar	...	0	2	0				Seggar	...	...	0	0	8				
Grey metal, with post	...							Grey metal, with post	...	...							
girdles	...	1	3	0				girdles	...	...	1	1	4				
White post, with ruddy	...							Grey post, with metal	...	...							
partings	...	4	3	0				partings and coal	...	...							
Grey metal	...	3	0	10				pipes	...	...	0	5	0				
Coarse seggar, with	...							COAL—Busty Seam	...	...							
iron balls	...	0	2	0				(bottom part)	...	...	0	2	7				
White post, with balls	...													2	3	7	
of whin	...	5	1	0				Coarse seggar clay	...	...	0	3	0				
Grey metal	...	1	4	3				Strong white post	...	...	7	5	11				
<i>Harvey Seam</i> —								COAL	...	...	0	0	5				
COAL	...	1	2											8	3	4	
Grey metal	...	0	11					Seggar clay	...	...	0	0	11				
COAL	...	2	6					White post, with metal	...	...							
								partings	...	...	1	2	0				
								Blue metal	...	...	0	5	0				
								Strong thill stone,	...	...							
								resembling seggar	...	...	0	3	0				
								Strong grey metal,	...	...							
								with post girdles	...	...	2	2	3				
								COAL	...	...	0	1	10				
														5	3	0	
								Seggar clay	...	...	0	1	6				
								Grey metal, with post	...	...							
								girdles	...	...	0	4	0				
								White post, with metal	...	...							
								partings	...	...	0	4	0				
								Strong white post, with	...	...							
								whin balls	...	...	3	4	7				
								Blue metal	...	...	0	0	10				

\* 3,200 gallons of water per hour.



## No. 2,278.—WINDLESTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	5	2	11	119	4	6
<i>Brockwell Seam—</i>						
	Ft.	In.				
COAL, good	1	1				
Black metal						
band ...	0	4				
COAL, good	1	6				
COAL, coarse	0	8				
Seggar clay						
band ...	0	5				
COAL, good	0	6				
Seggar clay						
band ...	0	6				
COAL, good	1	4				
			1	0	4	
						6 3 3
Coarse seggar, with						
iron balls ...	0	1	6			
Grey metal, with iron						
balls ...	1	3	0			
Grey metal, with post						
girdles ...	1	1	0			
White post ...	1	1	2			
Brown whin ...	0	3	6			
White post ...	0	0	9			
Grey metal, with post						
girdles ...	0	3	0			
White heavy post ...	0	3	6			
Grey metal, with post						
girdles ...	1	3	9			
White post, with whin						
girdles ...	2	4	9			
Grey metal, with post						
girdles ...	2	1	0			
Black metal ...	1	1	6			
COAL ...	0	0	6			
			13	4	11	
Seggar clay ...	0	3	0			
Grey metal ...	0	5	0			
White post, with whin						
girdles ...	1	4	0			
Grey post ...	1	2	0			
Grey metal ...	0	5	6			
Strong white post ...	4	5	3			
COAL ...	0	0	8			
			10	1	5	
Coarse seggar ...	0	2	0			
Grey metal, with post						
girdles ...	0	4	9			
COAL, coarse ...	0	0	8			
			1	1	5	
Coarse seggar ...	0	3	0			
Grey metal, with post						
girdles ...	0	3	6			
White post, with whin						
and partings ...	7	4	2			
Carried forward	8	4	8	151	3	6

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	8	4	8	151	3	6
Grey metal ...	1	0	6			
White post ...	0	3	0			
Grey metal ...	0	1	0			
Grey post ...	1	0	0			
Grey metal ...	0	1	0			
<i>COAL — Victoria</i>						
Seam ...	0	1	5			
			11	5	7	
Coarse seggar ...	0	2	0			
Grey metal, with post						
girdles ...	0	4	0			
White heavy post, with						
whin girdles ...	1	2	10			
Grey metal ...	2	4	0			
Grey whin girdles ...	0	1	0			
Bastard post ...	0	3	0			
White post ...	1	2	3			
Grey leafy post ...	2	1	0			
Soft grey metal ...	2	3	11			
COAL ...	0	1	0			
			12	1	0	
Seggar ...	0	1	6			
White post ...	0	2	0			
Grey metal, with post						
girdles ...	0	3	0			
Grey metal ...	2	3	9			
COAL ...	0	0	11			
			3	5	2	
Ganister ...			0	4	0	
Bottom of pit			180	1	3	
<i>Bored further:—</i>						
Grey metal, with post						
girdles ...	2	5	0			
Black metal partings	0	0	1			
Grey metal ...	0	3	10			
Post (dark at top) ...	5	2	7			
Grey metal ...	0	2	6			
Grey metal, with post						
girdles ...	1	3	7			
Blue metal ...	0	4	2			
Black metal ...	0	0	4			
Grey metal ...	0	2	5			
Grey metal and post						
girdles ...	1	2	8			
White post ...	8	2	6			
Grey metal ...	0	5	7			
White post ...	3	3	8			
Grey metal ...	5	3	11			
Grey whin ...	0	0	6			
			32	1	4	
Total depth sunk and bored	212	2	7			

## No. 2,279.—WINGATE GRANGE.

TOWNSHIP OF WINGATE, DURHAM.

Sheet 28 of Ordnance Map. Lat. 54° 43' 40", Long. 1° 23' 1".

*Strata sunk through in the Lady Pit, Wingate Grange Colliery.*

Approximate surface level 400 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset ... ..				0	5	0	Brought forward				72	5	9½
Soil ... ..	0	1	0				Band ... ..	0	1	2			
Blue clay ... ..	13	3	0				<b>COAL—Five-Quarter</b>						
				13	4	0	<i>Coal Seam</i> ... ..	0	4	2			
Limestone, with ir- regular partings of blue and black metal at 6 to 8 feet from the bottom ... ..	45	0	5								0	5	4
Black metal ... ..	0	1	4				Black metal ... ..	0	1	2			
Yellow clay ... ..	0	0	3				Grey metal ... ..	1	3	6			
Soft yellow freestone	0	1	3				White post ... ..	1	2	1			
White post ... ..	2	1	9				Grey metal ... ..	0	3	6			
Red metal ... ..	4	2	0				<b>COAL</b> ... ..	0	1	5			
	0	1	0			*					3	5	8
Grey metal ... ..	4	1	0				Grey metal ... ..	2	2	5			
Blue metal ... ..	1	1	5				<b>COAL</b> ... ..	0	0	4			
											2	2	9
<i>Three-Quarter Coal</i> <i>Seam—</i> Ft. In.							Grey metal ... ..	0	0	10			
<b>COAL</b> ... ..	1	4					Post ... ..	5	5	8			
Band ... ..	0	1½					Grey metal ... ..	0	2	2			
<b>COAL</b> ... ..	1	8					Black metal ... ..	0	3	9			
Band ... ..	0	3					<i>Main Coal Seam—</i> Ft. In.						
<b>COAL</b> ... ..	1	0					<b>COAL</b> ... ..	1	4				
				0	4	4½	Band ... ..	0	0	4			
							<b>COAL</b> , good	3	1				
							<b>COAL</b> , splint						
							or coarse	0	4				
											0	5	1
Carried forward				72	5	9½	Total ... ..				88	1	0½

## No. 2,280.—WINGATE GRANGE.

TOWNSHIP OF WINGATE, DURHAM.

Sheet 28 of Ordnance Map. Lat. 54° 43' 39", Long. 1° 23' 2".

*Account of Sinking and Boring at the Lord Pit, Wingate Grange Colliery, in the County of Durham. 1839.*

Approximate surface level 400 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset ... ..				0	5	0	Brought forward	28	0	0	0	5	0
Soil ... ..	0	1	0				Yellow limestone, with water ... ..	30	1	0			
Strong blue clay ... ..	9	1	0				Blue limestone ... ..	0	5	6			
Blue clay, with marly partings ... ..	5	1	0				Yellow sand ... ..	0	1	2			
Mild, light-coloured limestone ... ..	13	3	0								59	1	8
							White post ... ..	2	4	0			
Carried forward	28	0	0	0	5	0					2	4	0
							Carried forward	2	4	0	60	0	8

\* Approximate sea level (Ordnance datum).

## No. 2,280.—WINGATE GRANGE.—CONTINUED.

Brought forward						Fs.	Ft.	In.	Fs.	Ft.	In.
						2	4	0	60	0	8
Blue metal ...	{	3	5	4	*						
						2	1	8			
Grey metal ...	...	3	0	0							
Blue metal ...	...	1	0	0							
Three-Quarter Coal											
Seam—	Ft.	In.									
COAL ...	1	8									
Stone band...	0	2									
COAL ...	1	6									
Stone band...	0	3									
COAL ...	1	0									
						0	4	7			
						13	3	7			
Stone band ...	...	0	1	2							
COAL—Five-Quarter											
Coal Seam	...	0	4	1							
						0	5	3			
Splint and black stone	...	0	1	2							
Grey metal ...	...	1	3	6							
White post ...	...	1	2	1							
Grey metal ...	...	0	3	6							
COAL ...	...	0	0	5							
						3	4	8			
Black stone ...	...	1	0	0							
Grey metal ...	...	2	2	5							
COAL ...	...	0	0	4							
						3	2	9			
Black stone ...	...	0	0	10							
White post ...	...	5	5	8							
Grey metal ...	...	0	2	2							
Blue metal ...	...	0	2	6							
Grey metal ...	...	0	1	3							
Main Coal Seam—											
COAL ...	Ft.	In.									
A white stone	1	5									
band ...	0	5									
COAL ...	3	2									
						0	5	0			
						7	5	5			
Black stone ...	...	0	1	8							
Thill stone ...	...	0	0	11							
Blue metal ...	...	3	0	3							
Post girdles, with											
metal partings	...	1	1	7							
Blue metal ...	...	0	3	1							
COAL ...	...	0	0	7							
						5	2	1			
Grey metal ...	...	1	0	7							
Blue metal ...	...	0	4	8							
Grey metal, with post											
girdles ...	...	0	4	8							
White post ...	...	2	0	11							
Grey metal ...	...	0	2	10							
Dark grey post	...	3	1	2							
Blue metal ...	...	0	2	10							
Carried forward						8	5	8	95	0	5

Brought forward						Fs.	Ft.	In.	Fs.	Ft.	In.
						8	5	8	95	0	5
White post ...	...	1	3	6							
Blue metal ...	...	0	1	4							
Dark brown post	...	0	3	6							
Strong white post	...	2	5	11							
Grey metal, with post											
girdles ...	...	0	4	11							
COAL—Low Main											
Seam	...	0	1	8							
						15	2	6			
Black stone ...	...	0	0	7							
White post ...	...	0	1	2							
Grey metal, with post											
girdles ...	...	5	4	10							
Blue metal ...	...	3	0	3							
Grey metal ...	...	0	4	0							
White post ...	...	0	2	10							
Grey metal, with post											
girdles ...	...	1	2	7							
White post ...	...	0	2	1							
Blue metal ...	...	4	3	5							
White post ...	...	0	2	1							
Blue metal ...	...	1	4	7							
COAL—Hutton Coal											
Seam	...	0	2	8							
						19	1	1			
Total sunk						...	129	4	0		
Bored further:—											
Thill stone ...	...	0	3	3							
Grey metal ...	...	2	1	11							
White post ...	...	0	4	6							
Grey metal, with post											
girdles ...	...	0	5	1							
Blue metal ...	...	0	2	0							
Grey metal ...	...	0	4	9							
Dark brown post	...	1	2	3							
Grey metal ...	...	0	4	6							
Dark brown post	...	0	4	5							
Strong white post	...	3	0	0							
Dark brown post	...	0	3	0							
White post ...	...	0	5	10							
Blue metal ...	...	1	1	8							
Grey metal ...	...	3	3	0							
						17	4	2			
Discontinued January											
17th, 1840, and re-											
sumed by Mr. W.											
Coulson:—											
Grey metal ...	...	1	0	4							
Black metal ...	...	0	1	4							
COAL ...	...	0	0	8½							
						1	2	4½			
Grey metal stone and											
post girdles ...	...	0	5	5							
COAL ...	...	0	0	3½							
						0	5	8½			
Carried forward						149	4	3			

\* Approximate sea level (Ordnance datum).

## No. 2,280.—WINGATE GRANGE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				149	4	3	Brought forward				153	4	11
Grey metal stone and post girdles ...	3	3	0				Soft grey metal ...	0	0	3½			
<i>Harvey Seam</i> —	Ft.	In.					Strong grey post ...	0	2	0			
COAL ...	3	1									0	2	3½
Band ...	0	2					(Discontinued Sept. 14th, 1841.)						
COAL ...	0	5											
				0	3	8							
					4	0	8						
Carried forward				153	4	11	Total sunk and bored ...				154	1	2½

## No. 2,281.—WINGATE GRANGE.

TOWNSHIP OF WINGATE, DURHAM.

Sheet 28 of Ordnance Map. Lat. , Long.

*An Account of the Boring in Wingate Pit, in the Low Main Staple, about three-quarters of a mile North from the Shaft. April 12th, 1843.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Metal pipe ...	1	0	0				Brought forward	0	1	0	20	2	1
Grey metal, with post girdles ...	5	0	0				Grey metal ...	2	2	6			
COAL ...	0	0	5	6	0	5	Grey post ...	0	2	10			
Black metal stone ...	0	0	4				Grey metal ...	1	2	8			
Grey metal stone, with post girdles ...	1	5	9				Grey post ...	0	3	2			
COAL ...	0	0	6	2	0	7	Metal ...	0	5	10			
Grey metal stone, with post girdles ...	5	0	11				Grey post ...	0	5	10			
White post ...	0	5	5				Grey metal, with girdles ...	2	1	7			
Grey metal ...	1	2	10				Grey post ...	2	1	7			
COAL ...	0	2	2	7	5	4	Grey metal ...	0	3	9			
Grey metal stone, with girdles ...	1	2	11				Grey post ...	0	1	9			
Grey post ...	0	1	10				Grey metal stone, with girdles ...	4	2	8			
Grey metal and metal stone, very dark the last 2 feet ...	2	0	5				Grey post ...	1	2	4			
COAL, good ...	1	7					Grey metal stone ...	0	5	7			
Splint ...	0	6					COAL ...	0	0	8	19	1	9
COAL ...	0	6					Grey metal stone, scared with coal ...	0	3	11			
				0	2	7	COAL ...	0	0	4			
Black stone, scared with coal ...	0	1	0	4	1	9					0	4	3
Carried forward	0	1	0	20	2	1	Grey metal stone, with post girdles ...	1	1	0			
							Grey post ...	1	0	2			
							Grey metal stone, mixed with post ...	0	4	10			
							COAL ...	0	3	5			
											3	3	5
							In grey metal ...				0	0	6
							Total ...				46	1	0



## No. 2,282.—WINGATE GRANGE.

TOWNSHIP OF WINGATE, DURHAM.

Sheet 28 of Ordnance Map. Lat. , Long.

*Account of Strata sunk through in the Staple intended for the Upcast from the Harvey Seam to the Main Coal, about 25 yards from the bottom of the Lady Pit, Wingate Grange Colliery.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Black metal ...	0	1	8				Brought forward	35	5	2			
Thill stone ...	0	0	11				Black metal ...	0	1	0			
Blue metal ...	3	0	3				Blue metal ...	2	0	0			
Post girdles and metal							<b>COAL—Hutton Seam</b>	0	3	0			
partings ...	1	1	7								2	4	0
Black metal ...	0	3	1				Thill stone ...	0	3	3			
<b>COAL</b> ...	0	0	7	5	2	1	Grey metal ...	2	2	6			
							<b>COAL</b> ...	0	0	3			
Grey metal ...	1	1	7								3	0	0
Blue metal ...	0	4	8				Grey metal, with post						
Grey metal and post							girdles ...	0	4	0			
girdles ...	0	4	8				Grey post ...	0	4	0			
White post ...	0	3	0				Grey metal ...	0	5	9			
Grey metal stone ...	0	2	0				<b>COAL</b> ...	0	0	3			
Dark grey post ...	3	4	0								2	2	0
Grey metal stone ...	0	1	6				Grey metal stone ...	3	4	0			
White post ...	2	4	6				Strong white post ...	2	0	0			
Dark brown post ...	1	2	0				Blue metal ...	1	0	0			
White post ...	2	2	0				<b>COAL</b> ...	0	0	6			
Strong grey metal,											6	4	6
with post girdles ...	0	3	0				Blue metal ...	6	0	0			
<b>COAL—Low Main</b>				15	0	1	Black stone, scared						
<i>Seam</i> ...	0	3	2				with coal ...	0	2	0			
							Grey post ...	0	4	6			
Black thill stone ...	0	0	8				<b>COAL</b> ...	0	0	3			
White post ...	0	1	4								7	0	9
Grey metal, with post							Strong grey metal ...	0	4	0			
girdles ...	2	3	0				Strong white post ...	1	3	6			
<b>COAL</b> ...	0	0	6	2	5	6	Grey metal ...	0	1	0			
							Post girdles ...	0	0	6			
Blue metal ...	0	1	0				Blue metal ...	0	1	4			
Grey metal, with post							<i>Harvey Seam—</i>						
girdles ...	2	3	0				<b>COAL</b> ...	3	1				
Blue metal ...	2	0	0				Band ...	0	2				
<b>COAL</b> ...	0	0	6	4	4	6	<b>COAL</b> ...	0	5				
											0	3	8
Blue metal ...	0	5	0								3	2	0
Grey metal ...	0	4	0										
Grey whin ...	0	3	6										
Grey metal ...	1	3	0										
Grey whin ...	0	2	6										
Blue metal ...	3	3	6										
<b>COAL</b> ...	0	1	6	7	5	0							
Carried forward	35	5	2				Total ...	61	0	5			

## No. 2,283.—WINGATE, SOUTH.

TOWNSHIP OF HUTTON HENRY, DURHAM.

Sheet 36 of Ordnance Map. Lat. , Long.

*Account of the Strata bored through in Mr. Fox's Property by the Owners of  
South Wingate Colliery. Begun 21st April, 1841.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Strong blue stony clay	7	0	6				Brought forward	0	4	6	97	3	3½
Loamy clay, with dry thick sandy partings	2	0	6				Grey metal ...	0	1	5			
Strong blue stony clay	2	4	0				Soft white and grey post, with metal partings and water	5	3	4½			
Loamy clay and sandy partings, with water	6	1	0				Strong grey post, with metal partings	1	1	3½			
Strong brown clay ...	0	3	4				Mild grey post, with scary partings	0	4	3½			
				18	3	4	Grey metal, with post girdles ...	1	1	11			
Soft marly limestone	2	0	4				Red metal ...	0	1	6			
Soft dry white lime- stone ...	30	2	7				Blue metal, with scares of red ...	0	3	5			
Strong yellow lime- stone, with water all through ...	37	5	0				Blue metal ...	0	2	0			
Strong blue limestone, thin pannels from 2 to 8 inches, with soft partings ...	0	4	6				Grey post ...	1	0	1½			
Strong blue sandy limestone from 2 to 5 feet thick, with water ...	4	5	1				Grey and brown metal	0	0	8½			
Soft yellow limestone	0	2	6				Black metal ...	0	0	8			
Strong yellow lime- stone ...	1	2	4½				Soft dark grey metal	0	0	11			
Blue limestone ...	1	1	7				<b>COAL</b> ...	0	0	9½			
				78	5	11½					12	2	11
Grey metal ...	0	0	6½				Soft black metal ...	0	0	4			
Grey post ...	0	3	11½				Soft silvery post, with grey and red metal partings ...	1	0	2½			
							Strong red post ...	0	2	4			
Carried forward	0	4	6	97	3	3½	Soft grey post, with red metal partings	1	0	3½			
											2	3	2
							Total ...				112	3	4½

## No. 2,284.—WINGATE, SOUTH.

TOWNSHIP OF HUTTON HENRY, DURHAM.

Sheet 36 of Ordnance Map. Lat.

, Long.

*Account of Strata sunk through from the bottom of the Sump, South Wingate Colliery.  
Commenced November 26th, 1844; finished February 21st, 1845.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Grey metal ... ..	1	1	0				Brought forward	7	5	6	9	3	7
<b>COAL</b> ... ..	0	0	6				Blue stone ... ..	0	0	3			
				1	1	6	<b>COAL</b> ... ..	0	0	5			
Thill stone ... ..	0	2	0								8	0	2
Grey metal ... ..	0	2	2				Thill stone ... ..	0	1	0			
Black metal ... ..	2	0	6				Grey metal ... ..	2	0	0			
Grey metal ... ..	1	4	3				Strong white post, with dark shivery						
White post girdle ...	0	0	9				partings ... ..	5	2	3			
Blue metal, with iron- stone girdle ... ..	1	0	4				Dark blue stone, with balls of ironstone...	1	3	3			
<b>COAL</b> ... ..	0	0	3				White post, with blue metal partings and strong white post...	2	2	0			
				5	4	3	Strong grey metal stone ... ..	0	1	0			
Dark grey metal, with post girdles ... ..	2	3	6				Dark blue metal ...	1	1	0			
<b>COAL</b> ... ..	0	0	4				Black stone ... ..	0	1	0			
				2	3	10	<b>COAL</b> ... ..	0	0	7			
Grey metal .. ...	1	0	3								13	0	1
White post girdle ...	0	1	3										
Grey metal stone, with post girdle... ..	3	1	0										
Whin and thin grey metal partings, white and grey post, with balls of brown ...	3	3	0										
Carried forward	7	5	6	9	3	7	Total ... ..				30	3	10

## No. 2,285.—WINLATON.

TOWNSHIP OF WINLATON, DURHAM.

Sheet 5 of Ordnance Map. Lat.

, Long.

*Account of Boring in the Third Place in Garesfield Ground, East of the Lane, in the Winlaton Lordship. November 28th, 1765.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and strong grey clay ...	3	4	6					Brought forward			22	1	2
Sand ...	0	1	2					Blue grey metal ...	0	1	10		
Strong clay ...	0	1	0					<b>COAL</b> , with					
Brown and grey stone	0	1	8					hard brass	In.	Ft.			
Brown and grey ram- ble, mixed with								lumps ...	0	4			
strong clay ...	1	4	8					<b>COAL</b> ...	3	3			
Black metal ...	0	0	6					Grey metal ...	0	7			
<b>COAL</b> ...	0	2	1					<b>COAL</b> , foul... 0 5					
				6	3	7			0	4	7		
Grey metal ...	0	3	0					Grey metal, mixed			1	0	5
Brown thready post, and set away the								with coal ...	0	0	6		
water ...	0	2	0					<b>COAL</b> , foul... 0 0 5					
Grey metal stone ...	1	3	5						0	0	11		
<b>COAL</b> ...	0	0	10					Blue metal ...	0	2	8		
				2	3	3		Black slate or jet, with					
Grey metal ...	0	3	0					mixture of coal ...	0	1	6		
Brown and grey post, with scamy part- ings ...	3	5	0					Blue grey metal ...	0	1	0		
<b>COAL</b> ...	0	1	7					Black slate or jet, with					
				4	3	7		mixture of coal ...	0	2	6		
Grey metal ...	1	3	0					Grey metal and metal					
Grey post ...	0	4	6					stone ...	3	5	0		
<b>COAL</b> ...	0	0	11					White girdle... 0 0 6					
				2	2	5		Grey metal stone ...	0	4	9		
Grey metal stone ...	3	2	9					<b>COAL</b> ...	0	0	7		
Strong grey and brown											6	0	6
post ...	1	0	0					Blue grey metal stone	0	3	6		
<b>COAL</b> ...	0	0	6										
				4	3	3		<b>COAL</b> ...	Ft.	In.			
Grey metal stone and								... 1 3					
girdles or lumps ...	1	0	0					Grey metal ...	0	2			
								<b>COAL</b> ...	1	10			
<b>COAL</b> ...	Ft.	In.							0	3	3		
Hard brass lump	2	6									1	0	9
or slate ...	0	1						Grey metal ...			0	1	6
<b>COAL</b> ...	0	6											
				0	3	1							
				1	3	1							
Carried forward	22	1	2					Total ...			30	5	3



## No. 2,286.—WINLATON.

TOWNSHIP OF WINLATON, DURHAM.

Sheet 6 of Ordnance Map. Lat. \_\_\_\_\_, Long. \_\_\_\_\_

*Bored in the Third Place, about 160 yards North from the Second.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	2	3	2	4	0	4
Strong stony clay ...	1	5	0				Blue and brown scamy metal ...	0	2	3			
Sand and gravel ...	0	3	0				Brown and white post ...	0	0	3			
Strong stony clay ...	0	3	0				Brown sandy stone ...	0	2	8			
Clay and gravel, mixed with coal ...	0	3	0				<b>COAL</b> ...	0	1	0			
Brown clay ...	0	3	4								3	3	4
				4	0	4	Grey metal ...	0	3	8			
Clay ...	0	5	8				<b>COAL</b> ...	0	3	8			
Sandy brown clay ...	1	3	6								1	1	4
							In grey thill stone ...				0	0	8
Carried forward	2	3	2	4	0	4	Total ...				8	5	8

NOTE.—Same as No. 1,978.

## No. 2,287.—WINLATON.

TOWNSHIP OF WINLATON, DURHAM.

Sheet 6 of Ordnance Map. Lat. \_\_\_\_\_, Long. \_\_\_\_\_

*Account of a Boring from the bottom of a Little Pit, Stone Coal, by Thomas Cheeseman and Partners, at 20s. per fathom. April 8th, 1828.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Box ...	1	3	0				Brought forward	3	4	9	6	0	10
Blue stone ...	1	4	0				Whin ...	0	2	0			
<b>COAL</b> — $5\frac{1}{4}$ Seam ...	0	3	8				Parting ...	0	0	1			
				3	4	8	Strong white post ...	0	2	6			
Thill ...	0	3	6				Whin ...	0	1	2			
Blue stone ...	0	3	2				Blue stone ...	0	2	11			
Grey post parting ...	0	1	5				Whin ...	0	1	3			
Blue stone ...	0	2	3				Blue stone and whin girdles ...	2	4	3			
Whin ...	0	0	3				Strong white post, with whin ...	2	5	1			
Blue stone ...	0	1	0				Soft white post ...	0	3	0			
<b>COAL</b> — $3\frac{1}{4}$ Seam ...	0	2	7				Blue stone ...	0	1	0			
				2	2	2	Strong white post ...	0	4	11			
Thill ...	0	0	6				Blue stone ...	0	0	6			
Blue stone ...	0	2	2				Left off in strong white post...	0	5	2			
Parting ...	0	0	1								13	2	7
White post ...	0	1	6				Total ...				19	3	5
Blue stone and whin girdles ...	3	0	6										
Carried forward	3	4	9	6	0	10							

## No. 2,288.—WINLATON.

TOWNSHIP OF WINLATON, DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.

*Account of a Boring in the Broomy Hill Close, within 50 yards of the Old Road leading to Winlaton. July 10th, —.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay ...	0	2	6				Brought forward	18	4	8	9	0	0
Grey metal ...	0	3	0				Whin ...	0	1	7			
<b>COAL</b> , soft, with							White and brown post	0	3	1			
water ...	1	0	0	1	5	6	Grey metal ...	0	4	0			
Soft grey metal ...	0	5	0				Grey post ...	0	2	4			
<b>COAL</b> ...	0	0	9	0	5	9	White and brown post,						
Grey thill ...	0	1	3				with water ...	0	5	4			
Grey stone, with							Blue grey metal girdles	0	5	6			
girdles ...	1	0	0				<b>COAL—Beaumont or</b>						
<b>COAL</b> ...	0	0	6	1	1	9	<i>Towneley Seam</i> ...	0	4	4	23	0	10
Thill and water ...	0	1	6				Grey metal ...	0	2	4			
Grey stone ...	4	1	10				<b>COAL</b> ...	0	1	6			
<b>COAL</b> ...	0	0	8	4	5	0					0	3	10
Grey thill and water...	0	1	6				Grey thill ...	0	0	6			
Grey stone ...	2	3	0				Blue stone ...	0	3	0			
White and brown cash	0	1	6				<b>COAL</b> , soft, with						
Brown post, set away							much water ...	0	1	4			
water ...	4	5	0								0	4	10
White and brown post	1	0	0				Black stone, with						
Blue grey metal ...	0	4	0				girdles ...	0	1	0			
Blue grey metal, with							<b>COAL</b> ...	0	0	9			
water ...	0	4	0								0	1	9
Grey stone girdle, with							Grey thill ...	0	0	6			
water ...	2	3	6				Strong grey stone ...	0	3	0			
Soft grey metal, with							<b>COAL</b> ...	0	0	4			
girdle ...	1	2	0								0	3	10
Grey stone, with water	0	5	0				Grey thill ...	0	0	6			
Soft grey metal ...	1	0	0				White post and much						
Grey post, with part-							water ...	0	1	0			
ings ...	1	3	0				Whin ...	0	1	4			
White post, with water	0	5	0				White post ...	0	2	8			
Whin ...	0	0	8				Whin ...	0	0	7			
White post, with water	0	2	6				Grey metal girdle ...	1	1	4			
							Grey post girdle ...	0	3	8			
							Whin ...	0	0	10			
											2	5	11
Carried forward	18	4	8	9	0	0	Total ...				37	3	0

## No. 2,289.—WITTON GILBERT.

TOWNSHIP OF WITTON GILBERT, DURHAM.

Sheet 19 of Ordnance Map. Lat. 54° 48' 2", Long. 1° 37' 10".

*Account of Boring at Sleight's House, near Witton Gilbert. Begun October 25th, 1838.*

Approximate surface level 375 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	1	6				Brought forward	12	4	1	24	5	6
Yellow clay ... ..	0	1	6				Grey metal ... ..	0	1	0			
Brown stony clay ... ..	2	2	0				<b>COAL</b> ... ..	0	0	3			
Gravel ... ..	0	1	6								12	5	4
Sand ... ..	0	2	0				Grey metal .. ...	0	0	11			
Brown stony clay ... ..	0	5	0				Strong grey post ... ..	0	3	5			
Sand, with water ... ..	0	1	0				Grey post, with metal						
Brown stony clay ... ..	3	0	0				partings ... ..	1	2	6			
Sand ... ..	0	0	9				Dark grey metal ... ..	0	0	6			
Brown stony clay ... ..	3	0	11				<b>COAL</b> — <i>Low Main</i>						
Leafy clay ... ..	0	2	5				<i>Seam</i> ... ..	0	2	10			
Brown stony clay ... ..	4	0	0								2	4	2
Loamy sand ... ..	0	2	0				Grey metal ... ..	0	1	0			
Brown stony clay ... ..	1	3	6				Grey post ... ..	0	3	0			
				17	0	1	Grey metal stone ... ..	1	0	6			
Grey metal .. ...	0	2	0				Dark metal, scared						
Dark metal, with <i>coal</i>	0	0	9				with <i>coal</i> ... ..	0	0	6			
<b>COAL</b> ... ..	0	1	3				Grey metal stone, with						
				0	4	0	water ... ..	0	5	0			
Grey metal ... ..	0	2	0				Strong grey post ... ..	0	3	0			
Grey metal stone ... ..	2	1	8				Mild white post ... ..	0	2	4			
Dark grey metal,							Dark grey metal ... ..	0	2	3			
scared with <i>coal</i> ... ..	0	0	8				Strong white post ... ..	0	2	3			
Grey metal stone ... ..	0	5	0				Grey metal stone ... ..	1	4	6			
Brown post, with metal							Whin ... ..	0	0	4			
partings ... ..	3	2	0				Grey metal stone ... ..	0	1	8			
Grey metal ... ..	0	1	6										
<b>COAL</b> ... ..	0	0	7				Ft. In.						
				7	1	5	<b>COAL</b> , coarse	0	11				
Grey metal ... ..	0	1	3				<b>COAL</b> , foul,						
Brown post, with water	0	2	3				mixed with						
Grey post, with water	0	2	5				metal ... ..	0	9				
Dark grey metal ... ..	1	0	1							0	1	8	
Dark metal, scared											6	4	0
with <i>coal</i> ... ..	0	1	0				Brown metal... ..	0	5	0			
Strong grey post ... ..	1	0	0				<b>COAL</b> , foul... ..	0	0	6			
Blue metal stone, with											0	5	6
grey metal partings	4	0	7				Grey metal ... ..	0	1	6			
Strong grey post ... ..	0	1	6				<b>COAL</b> , foul... ..	0	0	4			
Grey metal stone ... ..	1	1	6								0	1	10
Black stone ... ..	0	2	6				Grey metal stone, with						
Grey metal ... ..	0	5	0				strong post girdles	0	3	6			
Grey post, with whin							Strong grey post ... ..	0	5	0			
girdle ... ..	0	1	6				Grey metal ... ..	0	2	0			
Grey metal stone ... ..	0	3	0				<b>COAL</b> , foul... ..	0	0	4			
Strong grey post, with											1	4	10
metal partings ... ..	1	5	6				Grey metal ... ..	0	3	0			
							<b>COAL</b> , foul... ..	0	1	1			
											0	4	1
Carried forward	12	4	1	24	5	6	Carried forward	50	5	3			

## No. 2,289.—WITTON GILBERT.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				50	5	3	Brought forward	6	1	4	50	5	3
Grey metal stone, with post girdles ...	1	2	0				<i>Hutton Seam</i> —	Ft.	In.				
Strong grey post, with water ...	2	0	6				COAL ...	2	4				
Strong grey metal stone and post girdle	0	4	0				Brassy metal band ...	0	4				
Strong white post, with water ...	0	3	0				COAL ...	2	6				
Strong grey metal stone and post girdle	1	3	10							0	5	2	
Carried forward	6	1	4	50	5	3	Brown metal...				7	0	6
											0	0	8
							Total ...				58	0	5

## No. 2,290.—WITTON PARK.

TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 34 of Ordnance Map. Lat. , Long.

*Account of the Boring in the Stone Horse Park, to the Eastward from Witton Castle. 1756.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and gravelly clay	1	5	0				Brought forward				7	5	6
Stony clay ...	1	1	0				Grey scamy metal, with some small						
				3	0	0	scars of coal ...	0	3	0			
Grey and brown ramby post ...	2	0	0				Grey metal stone ...	3	0	0			
Grey post ...	1	0	0				COAL, foul... ..	0	1	0			
COAL, foul... ..	0	4									3	4	0
Grey scamy metal ...	0	2					Blue metal, mixed with coal ...	0	0	6			
COAL, soft foul, with water...	1	6					Grey and brown scamy metal, with post girdles and water ...	3	2	0			
				0	2	0	Blue metal, scared with coal ...	0	1	0			
Soft dun scamy metal	1	0	0				COAL ...	0	5	1			
Brown and grey metal stone ...	0	1	6								4	2	7
COAL, foul... ..	0	2	0				In grey metal ...				0	2	0
				1	3	6							
Carried forward				7	5	6	Total ...				16	2	1





## No. 2,293.—WITTON PARK.

TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 41 of Ordnance Map. Lat. , Long.

*Fourth Place bored near Witton Castle, about 100 yards to the South from the Third Place. March 21st, 1757.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay ...	0	3	0				Brought forward				12	1	6
Broken post, with water ...	1	1	0				Soft grey metal ...	0	4	6			
Soft grey and blue metal ...	0	1	0				Grey and blue metal and metal stone, with post girdles and brown scamy partings ...	2	0	6			
Soft black metal, mixed with coal ...	0	1	0				Black metal ...	1	0	0			
				2	0	0	Grey metal stone ...	0	4	6			
Grey metal, with girdles ...	0	3	6				<b>COAL</b> , foul... ..	0	1	8			
Black metal ...	0	0	6								4	5	2
<b>COAL</b> , soft foul ...	0	1	0				Soft black metal ...	0	0	2			
				0	5	0	Grey scamy metal, with girdles or lumps ...	1	4	0			
Grey, brown, and blue metal ...	2	0	0				<b>COAL</b> ...	0	0	11			
Grey metal, scared with coal ...	0	1	0								1	5	1
Grey and brown metal, with girdles or lumps ...	5	2	6				Grey scamy metal ...	2	5	6			
Black slaty metal ...	0	3	0				Strong white post ...	0	3	6			
<b>COAL</b> , with a small piece of black slate at the bottom ...	0	1	3				Blue metal, with post girdles and water...	1	5	3			
				8	1	9	<b>COAL</b> , foul... ..	0	1	2			
Grey metal, with girdles or lumps ...	0	3	0								5	3	5
<b>COAL</b> ...							Blue metal ...	0	1	6			
Black danty metal ...	0	1					<b>COAL</b> , with some small black danty scames ...	1	9				
<b>COAL</b> ...	0	2					<b>COAL</b> , with water ...	3	5				
				0	3	9					0	5	2
				1	0	9					1	0	8
Carried forward							In grey metal ...				0	2	0
							Total ...				25	5	10

## No. 2,294.—WITTON PARK.

TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 34 of Ordnance Map. Lat. , Long.

*Account of Strata sunk through below the Main Coal Seam in the Corving Pit,  
Witton Park Colliery. 1832.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sill, with iron balls ...	0	5	0				Brought forward				8	0	2
Grey metal, with water	0	1	0				Sill stone ...	1	0	0			
White and brown post	2	2	0				Blue metal, with water	1	3	0			
Blue metal, with iron							<b>COAL</b> ...	0	0	8			
girdles ...	2	0	6								2	3	8
Post, with blue metal							Grey and blue metal...	1	2	0			
partings and water	2	0	0				<b>COAL</b> ...	0	0	10			
Blue metal ...	0	3	6								1	2	10
<b>COAL</b> ...	0	0	2				Grey post ...				0	5	0
				8	0	2							
Carried forward				8	0	2	Total bored below the						
							<i>Main Coal Seam</i> ...				12	5	8

## No. 2,295.—WITTON PARK.

TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 42 of Ordnance Map. Lat. Long.

*Sunk at Witton Park, about 200 yards North of the William Pit.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset and walling ...	4	2	6				Brought forward				15	3	5
Grey metal ...	0	2	5				Grey metal ...	0	2	10			
<b>COAL</b> ...	0	8 $\frac{1}{2}$					<b>COAL</b> — <i>5<math>\frac{1}{4}</math> Seam</i> ...	0	4	9			
Grey metal band	0	5 $\frac{1}{2}$									1	1	7
<b>COAL</b> ...	2	6 $\frac{1}{2}$					Seggar clay ...	0	2	2			
				0	3	8 $\frac{1}{2}$	Grey post, with metal						
							partings ...	1	4	9			
Dark grey metal, with				5	2	7 $\frac{1}{2}$	Grey and brown post	3	0	0			
large nodules ...	1	1	8				<b>COAL</b> ...	0	1	6			
<b>COAL</b> ...	0	1	8 $\frac{1}{2}$								5	2	5
				1	3	4 $\frac{1}{2}$	Seggar clay, with no-						
Timber ...	1	1	10 $\frac{1}{2}$				dules ...	0	1	4			
Grey metal ...	1	1	1				Brown post, with metal						
<b>COAL</b> ...	0	0	3 $\frac{1}{2}$				partings ...	1	3	8			
				2	3	3	Bed of nodules ...	0	0	3			
Grey post, with grey							Grey metal ...	0	0	7			
metal partings ...	1	2	10				<b>COAL</b> ...	0	0	10			
Whin, ironstone ...	0	2	2								2	0	8
Grey post ...	1	3	0				Grey metal, with no-						
Grey metal, with no-							dules of ironstone...	2	5	7			
dules of ironstone...	1	3	7				Post girdles, ironstone	0	0	6			
Black metal ...	0	3	2				Grey metal, with post						
<b>COAL</b> ...	0	0	9				girdles ...	1	1	11			
				5	3	6	Bed of nodules ...	0	0	2			
Bastard post...	0	1	7				<b>COAL</b> — <i>Main Coal</i>						
<b>COAL</b> ...	0	1	1				<i>Seam</i> ...	0	5	8			
				0	2	8					5	1	10
Carried forward				15	3	5	Total ...				29	3	11

## No. 2,296.—WITTON PARK.

TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 34 of Ordnance Map. Lat.

Long.

*An Account of Borings made at Witton Park Colliery, by Sir William Clayton, Bart.  
Commenced August 1st, 1834.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Old pit sunk to the							Brought forward	1	0	9	52	3	1
<i>Brockwell Seam</i> ...				31	2	0	Blue post, with whin						
Rubbish ...	0	2	0				girdles, metal part-						
Thill, with iron balls	0	5	9				ings, and water ...	3	3	0			
Dark grey metal ...	0	2	0				Blue metal, with grey						
White post, with part-							girdles ...	2	2	9			
ings ...	1	0	3				Strong grey metal, with						
Brown and grey metal,							blue metal partings	0	3	7			
with iron balls ...	2	3	6				Blue metal ...	0	2	3			
Grey post, with part-							Black metal ...	0	0	3			
ings ...	0	4	0				<b>COAL</b> , with 3 inches						
Grey metal, with post							of splint in middle	0	1	8			
girdles ...	1	3	9								8	2	3
Dark metal ...	0	1	5				Grey thill stone ...	0	2	7			
<b>COAL</b> ...	0	0	4				Blue metal, with iron						
				7	5	0	balls ...	0	3	5			
Light metal ...	0	5	2				Blue metal, with grey						
Dark metal, with iron							post girdles ...	3	1	6			
balls and water ...	2	1	0				Shivery white post ...	0	3	11			
Grey metal, with post							Blue metal, with grey						
girdles and water...	0	5	8				girdles and water...	2	1	8			
Dark metal stone ...	0	1	9				Dark metal ...	0	1	6			
<b>COAL</b> , mixed with							Mild white post ...	0	3	3			
stone ...	0	0	6				<b>COAL</b> , with water...	0	0	7			
				4	2	1					8	0	5
Dark metal ...	0	3	0				Grey metal, with post						
<b>COAL</b> ...	0	1	5				girdles ...	0	5	7			
				0	4	5	Bastard whin ...	0	1	1			
Grey post ...	0	4	11				Blue metal ...	1	0	9			
White post, with metal							Dark metal ...	0	0	7			
partings and water	1	1	2				Whin stone ...	0	1	2			
Blue metal ...	0	1	10				White post ...	0	1	6			
Grey post ...	0	1	1				Shivery post ...	1	0	1			
Blue metal ...	0	2	8				Blue metal, with iron-						
Black metal, with							stone ...	2	0	3			
brown girdles ...	0	3	2				Shivery post ...	2	0	7			
Strong grey metal stone	1	3	5				White post, with water	10	1	3			
Black metal ...	0	0	4				Blue metal and grey						
Grey metal, with post							whin girdles ...	2	1	11			
girdles ...	0	3	3				Grey bastard whin						
White post, with metal							and water ...	4	2	0			
partings ...	1	5	6				Blue metal ...	0	1	6			
Black metal ...	0	1	0				Black and grey metal	1	0	5			
Mixture of slate and							Grey whin girdles ...	0	0	3			
coal ...	0	0	4				Blue metal ...	0	1	5			
Black metal ..	0	1	3				Grey whin girdles ...	0	0	9			
<b>COAL</b> ...	0	1	8				Mild white post ...	11	4	9			
				8	1	7	Hard white post, with						
Thill stone ...	0	1	10				blue metal partings	1	0	0			
Blue metal, with white							Blue and grey metal,						
post girdles ...	0	4	11				with girdles ...	0	5	11			
Carried forward	1	0	9	52	3	1	Carried forward	40	1	9	68	5	9



## No. 2,296.—WITTON PARK.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	40	1	9	68	5	9	Brought forward	57	5	10	68	5	9
Blue metal, with thin bands of iron ...	1	3	2				Grey whin girdles ...	0	0	7			
Whin and grey post girdles, with blue metal partings and water ...	3	2	0				Mild white post ...	0	2	7			
Scamy white post, with grey metal partings	0	5	9				Strong white post ...	0	3	8			
Blue metal, with thin girdles ...	2	0	1				Light coloured metal ...	0	1	0			
Hard white post girdles, with scamy grey metal partings ...	0	5	9				Stroug blue metal ...	1	3	0			
Strong blue metal ...	1	0	8				Dark metal, mixed with foul scary coal	0	0	6			
Shivery grey and white post ...	0	5	6								60	5	2
Blue and grey metal, with bastard whin girdles ...	4	0	0				Grey whin ...	0	2	4			
Hard white post, with water ...	1	2	11				White post, scared with metal ...	0	0	8			
Grey whin girdles ...	0	0	7				Hard white post girdles	0	1	7			
Blue metal, with balls of ironstone ...	1	1	8				White post, scared with metal ...	0	0	5			
Carried forward	57	5	10	68	5	9	Hard bastard whin, with blue metal partings	0	2	11			
							White post, mixed with whin, with water ...	3	5	1			
							Dark metal ...	0	1	3			
							Blue metal, with iron bands and scared with coal ...	1	1	0			
											6	3	3
							Total ...				136	2	2

## No. 2,297.—WITTON PARK.

TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 34 of Ordnance Map. Lat. , Long.

*Account of Strata bored through in the First Hole in the North-east corner of Quarry Field, in Witton Park Estate. October 31st, 1839.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward				6	4	0
Sandy clay, with small stones ...	5	1	3				Grey and brown metal	1	0	10			
Dark grey metal ...	0	0	3				Brown post, with water ...	2	4	0			
COAL ...	0	1	1				Brown metal ...	2	2	8			
				5	3	7	Brown post ...	0	4	2			
Dark metal, scared with coal ...	0	1	4				Brown metal ...	1	2	1			
COAL, but will not cinder—Main Coal Seam ...	0	5	1				Black metal ...	0	0	3			
				1	0	5	Dark metal ...	0	0	9			
							Grey and blue metal	1	0	11			
							Black metal ...	0	0	7			
							COAL ...	0	1	11			
											10	0	2
Carried forward				6	4	0	Carried forward				16	4	2

## No. 2,297.—WITTON PARK.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward				16	4	2		Brought forward	6	0	4	19	2	0
White metal...	...	0	5	8				Grey post, with water	1	4	5			
Grey metal ...	...	1	3	5				Dark metal ...	...	0	2	7		
COAL ...	...	0	0	9				COAL ...	...	0	0	6		
					2	3	10					8	1	10
Grey post ...	...	2	0	0				Blue metal ...	...	0	1	9		
Brown post, with								COAL, rather						
water ...	...	0	2	5				tender ...	Ft. In.	1	8			
White post ...	...	0	3	0				COAL, foul ...		0	3			
Blue metal ...	...	0	1	2						0	1	11		
White post ...	...	0	1	0								0	3	8
Dark metal ...	...	1	0	7				Grey metal, with post						
Grey metal, with gir-								girdles ...	...			1	0	1
dles ...	...	1	4	2										
Carried forward	6	0	4	19	2	0		Total ...	...			29	1	7

## No. 2,298.—WITTON PARK.

TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 34 of Ordnance Map. Lat. , Long.

*Account of Boring in the Second Hole in Witton Park Estate, about 280 yards from the First. December 9th, 1839.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	0	8					Brought forward			11	4	6
Sandy clay ... ..	0	4	4					Grey metal ... ..	0	1	10		
				0	5	0		Brown metal... ..	0	1	11		
Brown post ... ..	1	2	5										
Blue metal ... ..	2	0	4					<b>COAL</b> ... ..	5	5			
Brown metal stone ...	0	4	0					Grey metal ... ..	0	5			
Soft brown post (set								<b>COAL</b> , foul... ..	1	6			
away the water at											1	1	4
8 feet) ... ..	2	5	9										
Grey metal, with											1	5	1
girdles ... ..	3	0	2					Grey metal ... ..			0	0	8
Dark metal ... ..	0	2	7										
<b>COAL</b> ... ..	0	2	3										
				10	5	6							
Carried forward				11	4	6		Total ... ..			13	4	3

## No. 2,299.—WITTON PARK.

TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 34 of Ordnance Map. Lat. , Long.

*Account of Boring in the Third Hole in Witton Park Estate. December 24th, 1839.*

Approximate surface level feet above sea (Ordnance datum).

					Fs.	Ft.	In.	Fs.	Ft.	In.
Clay and sand, with stones ...	...	...	...	...	1	4	3			
In whin tumbler ...	...	...	...	...	0	0	2			
								1	4	5
Total ...	...	...	...	...				1	4	5

## No. 2,300.—WITTON PARK.

TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 34 of Ordnance Map. Lat. , Long.

*Strata bored through by the side of the Old Park Wall, in the South-east corner of Quarry Field, Witton Park Colliery. February 8th, 1842.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brown soil ...	0	1	0				Brought forward				9	3	0
Strong gravelly clay	1	5	0				Grey metal stone ...	1	1	9			
Gravel, with water ...	0	2	0				<b>COAL</b> ...	0	1	0			
Strong clay ...	0	4	6								1	2	9
<b>COAL</b> ...	0	0	4				Grey thill stone ...	0	1	6			
				3	0	10	Dark blue metal stone	4	4	0			
Strong clay, with							Grey and brown post,						
tumblers ...	1	1	2				with blue metal						
Grey metal stone ...	2	3	0				partings ...	2	0	0			
Post girdle ...	0	1	0				Grey metal stone ...	0	4	6			
Grey metal stone ...	0	3	0				Blue metal stone ...	0	3	6			
Post girdle, with metal							<b>COAL</b> ...	0	1	0			
partings ...	1	4	0								8	2	6
<b>COAL</b> ...	0	2	0				Blue metal stone ...	0	2	0			
				6	2	2	<b>COAL—Main Coal</b>						
Carried forward							Seam ...	0	5	3			
											1	1	3
							Total ...				20	3	6

## No. 2,301.—WITTON PARK.

TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 42 of Ordnance Map. Lat., Long.

*Account of Five Borings made at Witton Park, to ascertain the level of the Seam and the Strata through which a Watercourse would be driven from the South-east corner of the Estate. No. 1 Hole. March 16th, 1842.*

Approximate surface level      feet above sea (Ordnance datum).

							Fs.	Ft.	In.	Fs.	Ft.	In.
Sandy clay	...	...	...	...	...	...	0	4	9			
Brown sand, with water	...	...	...	...	...	...	0	4	0			
Blue leafy clay	...	...	...	...	...	...	0	3	6			
										2	0	3
Total	...	...	...	...	...	...				2	0	3

## No. 2,302.—WITTON PARK.

TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 42 of Ordnance Map. Lat., Long.*No. 2 Hole, about 20 yards from the First.*

Approximate surface level      feet above sea (Ordnance datum).

							Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay	...	...	...	...	...	...	1	4	9			
Blue leafy clay	...	...	...	...	...	...	1	0	9			
Sand, with water	...	...	...	...	...	...	1	2	9			
										4	2	3
Total	...	...	...	...	...	...				4	2	3

## No. 2,303.—WITTON PARK.

TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 42 of Ordnance Map. Lat., Long.*No. 3 Hole, about 28 yards from the Second.*

Approximate surface level      feet above sea (Ordnance datum).

							Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	...	...	...	...	...	...	0	1	0			
Sand and gravel	...	...	...	...	...	...	1	2	0			
Blue leafy clay	...	...	...	...	...	...	4	5	8			
Brown sand	...	...	...	...	...	...	0	0	10			
Stony clay	...	...	...	...	...	...	0	1	0			
Dry gravel	...	...	...	...	...	...	1	0	4			
Blue leafy clay	...	...	...	...	...	...	0	1	6			
										8	0	4
Total	...	...	...	...	...	...				8	0	4



## No. 2,304.—WITTON PARK.

TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 42 of Ordnance Map. Lat. , Long.

*No. 4 Hole, 105 yards from the Third.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	0	10				Brought forward	11	5	0			
Sandy clay, with water	3	0	0				Sand, mixed with <i>coal</i>						
Blue stony clay ...	2	5	6				and grey metal ...	1	1	9			
Brown leafy clay ...	1	4	0				Grey post ...	0	2	4			
Dry sand and gravel	1	3	1				Whin ...	0	0	6			
Brown sand ...	0	1	7								13	3	7
Stony clay ...	2	2	0										
Carried forward	11	5	0				Total ...				13	3	7

## No. 2,305.—WITTON PARK.

TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 42 of Ordnance Map. Lat. , Long.

*No. 5 Hole, about 200 yards from the Fourth.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	1				Brought forward	2	4	4	9	0	4
Sandy ramble, with							Grey metal ...	0	1	0			
water ...	1	0	0				Grey post ...	0	5	3			
Strong clay ...	4	2	6				Grey metal ...	1	3	7			
Leafy clay ...	1	2	10				<b>COAL</b> — <i>Main Coal</i>						
Brown sand ...	0	0	9				<i>Seam</i> ...	0	5	6			
Strong blue clay ...	1	0	10								6	1	8
				8	2	0	Grey metal ...				1	0	3
Grey metal ...	0	3	10										
<b>COAL</b> ...	0	0	6										
				0	4	4							
Grey metal, with post													
girdles ...	1	1	6										
Grey post ...	1	2	10										
Carried forward	2	4	4	9	0	4	Total ...				16	2	3

No. 2,306.—WITTON PARK.

TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 34 of Ordnance Map. Lat.

Long.

*Commenced Boring for Donald McNoel, Esq., Witton Park. No. 1 Hole.  
June, 1843.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay ...	1	5	4				Brought forward	4	4	5	2	0	1
Sand and water ...	0	0	9				<b>COAL,</b> top, with						
				2	0	1	water ...	0	1	8			
Very soft grey metal	1	0	9								5	0	1
A strong post girdle...	0	0	11				Band ...				0	0	8
Grey metal ...	0	4	0										
Very dark grey metal	2	4	9										
Carried forward	4	4	5	2	0	1	Total ...				7	0	10

No. 2,307.—WITTON PARK.

TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 34 of Ordnance Map. Lat.

, Long.

*No. 2 Hole, for Donald McNoel, Esq., at Witton Park Colliery.*

Approximate surface level      feet above sea (Ordnance datum).

						Fs.	Ft.	In.	Fs.	Ft.	In.
Clay, mixed with sand and water ... ..	...	...	...	...	...	2	5	9			
Dark grey metal ... ..	...	...	...	...	...	2	3	9			
<b>COAL</b> , top, with water ... ..	...	...	...	...	...	0	1	1			
						<hr/>			5	4	7
Band ... ..	...	...	...	...	...	0	0	7			
						<hr/>			5	5	2
Total ... ..	...	...	...	...	...						

## No. 2,308.—WITTON PARK.

TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 34 of Ordnance Map. Lat. , Long.

*Commenced Boring for Mr. Sharp. No. 1 Borehole. July 9th, 1844.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil, sand, and clay ...	6	5	5				Brought forward	8	2	8			
A tumbling stone ...	0	1	2				Blue clay ...	0	4	6			
Sand ...	0	2	7				Dark grey metal ...	1	1	6			
Brown freestone post,							Grey post ...	0	1	0			
with water ...	0	5	6								10	3	8
Carried forward	8	2	8				Total ...				10	3	8

## No. 2,309.—WITTON PARK.

TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 34 of Ordnance Map. Lat. , Long.

*No. 2 Borehole.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil, sand, and clay,							Brought forward	0	1	3	8	1	9
with water ...	1	0	0				Black metal or <i>cannel</i>						
Blue clay ...	4	0	8				coal ...	0	0	4			
Brown freestone post	0	2	6										
Blue clay ...	0	4	9				COAL, <i>cannel</i>	0	10				
White post, with water	0	1	0				Grey metal ...	0	8				
Dark grey metal and							COAL, good	4	0				
iron girdles ...	1	0	6				COAL, coarse						
COAL, top ...	0	2	4				or splint ..	0	5				
				8	1	9					1	1	6
Metal band ...	0	0	7				Grey metal ...				0	0	3
Whin girdle ...	0	0	8										
Carried forward	0	1	3	8	1	9	Total ...				9	3	6

## No. 2,310.—WITTON PARK.

TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 34 of Ordnance Map. Lat. , Long.

*Commenced Boring for Messrs. Sharp and Smith. No. 1 Hole. October 3rd, 1844.*

Approximate surface level feet above sea (Ordnance datum).

						Fs.	Ft.	In.	Fs.	Ft.	In.
Soil, sand, and gravelly clay	...	...	...	...	...	5	2	0			
<b>COAL</b> , bottom	...	...	...	...	...	0	3	11			
Metal thill	...	...	...	...	...	0	0	3			
									6	0	2
Total	...	...	...	...	...				6	0	2

## No. 2,311.—WITTON-LE-WEAR.

TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 34 of Ordnance Map. Lat. , Long.

*An Account of Borings made for the Foundations for the Bishop Auckland and Wear-dale Railway Bridge, near Witton-le-Wear. First Hole, on the South side of the River Wear. May 2nd, 1839.*

Approximate surface level feet above sea (Ordnance datum).

						Fs.	Ft.	In.	Fs.	Ft.	In.
Dry sand	...	...	...	...	...	0	4	6			
Gravel	...	...	...	...	...	2	0	0			
Soft leafy clay	...	...	...	...	...	0	3	0			
Sand and gravel	...	...	...	...	...	0	3	4			
									3	4	10
Total	...	...	...	...	...				3	4	10



## No. 2,312.—WITTON-LE-WEAR.

TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 34 of Ordnance Map. Lat. , Long.*Second Hole, on the South side of the River Wear.*

Approximate surface level      feet above sea (Ordnance datum).

						Fs.	Ft.	In.	Fs.	Ft.	In.
Gravel	...	...	...	...	...	1	2	0			
Timber	...	...	...	...	...	0	2	8			
Sand and gravel	...	...	...	...	...	1	0	5			
Tumbler or post	...	...	...	...	...	0	2	3			
						<hr/>			3	1	4
Total	...	...	...	...	...	<hr/>			3	1	4

## No. 2,313.—WITTON-LE-WEAR.

TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 34 of Ordnance Map. Lat. , Long.*First Hole, on the North Side of the River Wear.*

Approximate surface level      feet above sea (Ordnance datum).

						Fs.	Ft.	In.	Fs.	Ft.	In.
Gravel...	...	...	...	...	...	1	5	0			
Sand and clay, very soft	...	...	...	...	...	1	3	4			
In sand	...	...	...	...	...	0	3	6			
						<hr/>			3	5	10
Total	...	...	...	...	...	<hr/>			3	5	10

## No. 2,314.—WITTON-LE-WEAR.

TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 34 of Ordnance Map. Lat. Long.*Second Hole, on the North Side of the River Wear.*

Approximate surface level      feet above sea (Ordnance datum).

						Fs.	Ft.	In.	Fs.	Ft.	In.
Gravel...	...	...	...	...	...	1	2	10			
Clay	...	...	...	...	...	0	0	10			
Gravel, left off in hard tumbler	...	...	...	...	...	6	0	5			
						<hr/>			7	4	1
Total	...	...	...	...	...	<hr/>			7	4	1

## No. 2,315.—WOLSINGHAM.

TOWNSHIP OF WOLSINGHAM, DURHAM.

Sheet 25 of Ordnance Map. Lat.

Long.

*An Account of Borings made upon Wolsingham Moor for the use of Messrs. Pearsons, Wright, and Todd. First Place, about 70 yards North-west from the road leading from Cornsay to Wolsingham, and about 100 yards North-east from the corner of the stone wall entering into the lane at the first enclosure upon Towlay Hill, by Messrs. Joseph Jopling and Wm. Didsburn. June 4th, 1781.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Strong stony clay ...	3	3	10				Brought forward	1	0	0	9	5	0
Blue metal, with post girdles ...	1	1	2				Blue grey metal, with girdles ...	1	1	7			
Grey post, with brown partings ...	0	5	2				COAL, foul...	0	0	9			
White post, with brown partings ...	1	1	4								2	2	4
Strong brown post ...	0	4	0				Grey metal ...	0	1	6			
Grey post, with partings ...	0	3	6				Blue metal ...	0	3	9			
Black metal stone ...	0	1	0				COAL, foul...	0	0	4			
Grey post, with metal partings ...	1	2	0								0	5	7
Black stone ...	0	0	6				Blue metal, with girdles...	0	3	0			
COAL, foul, with water ...	0	0	6				Black stone, with scares of coal ...	0	5	7			
							Grey post ...	0	2	8			
							Black metal, with girdles ...	4	3	6			
							COAL, foul...	0	0	4			
Soft thill ...	0	1	6								6	3	1
Grey metal, with post girdles ...	0	3	6				Soft metal ...	0	5	6			
Whin ...	0	1	0				In white post ...	0	1	6			
											1	1	0
Carried forward	1	0	0	9	5	0	Total ...				20	5	0



## No. 2,317.—WOODHORN.—CONTINUED.

Brought forward			Fs.	Ft.	In.	Fs.	Ft.	In.
			52	0	1			
Shale ...	...	...	4	2	0			
Post ...	...	...	0	2	6			
Whin ...	...	...	0	2	10			
Strong post ...	...	...	3	0	7			
Dark grey shale	...	...	3	1	0			
<b>COAL</b> , rather tender the	Ft.	In.						
first 7 inches	2	4						
Black band ...	0	3						
<b>COAL</b> ...	1	4						
			0	3	11			
			12	0	10			
Black stone, mixed with <i>coal</i> ...	...	...	0	1	1			
Post ...	...	...	0	2	0			
Shale ...	...	...	0	1	7			
<b>COAL</b> ...	Ft.	In.						
Shale ...	1	1						
<b>COAL</b> ...	0	3						
<b>COAL</b> ...	1	6						
			0	2	10			
			1	1	6			
Dark grey shale	...	...	0	4	6			
Post, with shale partings	...	...	2	2	0			
Grey shale	...	...	2	0	0			
<b>COAL</b> ...	Ft.	In.						
Shale, with brass	0	10						
<b>COAL</b> ...	0	3						
<b>COAL</b> ...	1	5						
			0	2	6			
			5	3	0			
Black shale	...	...	0	0	3			
Grey shale	...	...	0	2	3			
Grey shale	...	...	1	3	9			
<b>COAL</b> — supposed <i>Yard Seam</i>	...	...	0	3	0			
			2	3	3			
Grey shale	...	...	0	1	8			
Post	...	...	3	5	0			
Shale	...	...	2	1	6			
Whin	...	...	0	3	6			
Post	...	...	3	5	0			
Shale	...	...	1	0	0			
<b>COAL</b> , foul	...	...	0	0	8			
			11	5	4			
Grey shale	...	...	2	1	0			
<b>COAL</b> ...	...	...	0	0	10			
			2	1	10			
Shale stone	...	...	1	1	6			
Whin girdle	...	...	0	0	9			
Shale stone	...	...	0	5	3			
Black shale	...	...	0	0	6			
<b>COAL</b> ...	...	...	0	1	10			
			2	3	10			
Dark shale, mixed with <i>coal</i>	...	...	0	0	6			
Grey shale	...	...	1	1	0			
			1	1	0			
Carried forward	1	1	6	90	1	8		

Brought forward			Fs.	Ft.	In.	Fs.	Ft.	In.
			1	1	6	90	1	8
Grey post	...	...	0	3	0			
Grey shale	...	...	0	4	0			
White post	...	...	1	1	0			
Shale	...	...	1	3	6			
Black shale	...	...	0	0	4			
<b>COAL</b> ...	...	...	0	1	0			
			5	2	4			
Black shale	...	...	0	1	0			
Grey shale	...	...	3	2	6			
Post	...	...	1	4	0			
<b>COAL</b> ...	...	...	0	1	4			
			5	2	10			
Grey shale	...	...	0	0	6			
Post	...	...	0	3	0			
Grey shale	...	...	0	3	0			
Dark shale girdles	...	...	1	5	6			
<b>COAL</b> and shale	...	...	0	1	0			
			3	1	0			
Dark shale	...	...	0	5	6			
Post	...	...	0	3	0			
<b>COAL</b> ...	...	...	0	0	9			
			1	3	3			
Grey shale	...	...	0	0	11			
<b>COAL</b> , foul	Ft.	In.	0	2				
<b>COAL</b> , tender	1	5						
			0	1	7			
			0	2	6			
Grey shale	...	...	3	5	10			
<b>COAL</b> ...	...	...	0	0	8			
			4	0	6			
Grey shale	...	...	1	0	0			
Whin	...	...	0	0	10			
Grey shale, with girdles	...	...	3	0	2			
<b>COAL</b> , strong	...	...	0	1	6			
			4	2	6			
			8	0	1			
			12	4	3			
			135	2	11			
			12	4	3			
Total	...	...	135	2	11			



## No. 2,318.—WOODHORN.

TOWNSHIP OF WOODHORN, NORTHUMBERLAND.

Sheet 65 of Ordnance Map. Lat. , Long.

*Account of Borehole No. 2 on the Woodhorn Estate. January 21st, 1868.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay ...	0	4	0								73	3	7
Post ...	2	5	0										
Black shale, mixed													
with coal ...	0	1	0								2	0	4
Grey shale ...	4	3	0										
Post ...	11	3	0										
Black shale and coal	0	0	6								4	3	10
Grey shale ...	4	1	0										
Shale, with post girdles	3	3	0										
Black shale and coal	0	0	8										
Grey shale stone ...	4	2	6										
<b>COAL</b> ...	1	1											
Shale ...	0	6											
<b>COAL</b> and shale	0	9											
		0	2	4									
				32	2	0							
Grey shale ...	1	5	0										
<b>COAL</b> ...	0	0	6										
				1	5	6							
Grey shale ...	3	0	6										
<b>COAL</b> ...	0	0	5										
				3	0	11							
Dark shale ..	3	4	0										
Grey post ...	4	3	0										
Shale ...	0	3	6										
<b>COAL</b> ...	0	1	5										
				8	5	11							
Strong grey metal stone	2	3	0										
White post ...	1	1	0										
Shale and coal ...	0	1	6										
Grey shale ...	2	1	6										
<b>COAL</b> ...	0	0	7										
				6	1	7							
Grey post ...	3	3	0										
Slate ...	3	5	0										
<b>COAL</b> ...	0	0	9										
				7	2	9							
Grey shale ...	3	5	0										
<b>COAL</b> ...	0	0	4										
				3	5	4							
Shale ...	1	0	0										
Post ...	0	3	0										
Black shale ...	5	1	6										
Whin ...	0	1	6										
Post ...	1	0	6										
Grey shale ...	0	3	0										
Post ...	0	3	0										
<b>COAL</b> (supposed													
Yard Seam)	0	3	1										
				9	3	7							
Carried forward				73	3	7							
Brought forward													
Grey shale ...	2	0	0										
<b>COAL</b> ...	0	0	4										
Shale ...	4	1	0										
<b>COAL</b> ...	0	2	10										
Grey shale ...	0	0	10										
Black shale and foul coal	0	2	4										
Grey shale ...	3	2	6										
Post ...	0	5	9										
Metal stone ...	2	3	10										
Dark shale ...	0	4	6										
Shale and coal ...	0	3	6										
<b>COAL</b> , good ...	4	3											
<b>COAL</b> , brassy	0	5											
		0	4	8									
				9	3	11							
Grey shale ...	0	1	1										
<b>COAL</b> ...	1	2											
Shale and coal	0	6											
<b>COAL</b> ...	0	10											
		0	2	6									
				0	3	7							
Grey shale ...	0	4	6										
<b>COAL</b> ...	0	0	6										
				0	5	0							
Grey shale ...	0	3	6										
White post ...	0	4	6										
Shale stone ...	0	4	9										
White post ...	1	4	0										
Shale ...	1	0	6										
<b>COAL</b> ...	0	2	2										
				5	1	5							
Dark shale ...	0	4	3										
White post ...	0	3	0										
Grey shale ..	0	3	0										
White post ...	2	2	6										
Shale stone ...	0	4	6										
<b>COAL</b> , brassy the													
last 2 inches	0	3	3										
				5	2	6							
Grey shale ...	0	4	8										
Post ...	1	1	6										
Whin ...	0	3	8										
Post ...	8	1	6										
Whin ...	0	1	0										
Into post ...	0	1	0										
				11	1	4							
Total ...				113	1	6							

March, 1869.—This hole was lost, 70 fathoms of rods left in, beater bottom up, bitch, chisel, 18 inch piece, wilfully put in by some persons unknown.

## No. 2,319.—WOODHORN.

TOWNSHIP OF WOODHORN, NORTHUMBERLAND.

Sheet 65 of Ordnance Map. Lat.

Long.

*Account of Borehole No. 3 on the Woodhorn Estate.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brown stony clay ...	7	4	0				Brought forward				42	1	8
Hard post ...	0	1	0				Shale and shale stone	2	5	0			
Soft post ...	0	2	0				Whin ...	0	1	0			
Shale stone ...	2	0	0				Shale stone ...	2	5	0			
Dark shale ...	0	2	6				<b>COAL</b> ...	Ft. In.					
<b>COAL</b> ...	0	0	6				<b>COAL</b> , foul... 1 4						
				10	4	0	<b>COAL</b> ... 0 10						
Grey shale ...	1	0	0					0	4	7			
Shale stone ...	1	1	0								6	3	7
<b>COAL</b> ...	0	1	6				Dark shale ...	0	2	0			
				2	2	6	Shale stone ...	3	0	0			
Grey shale ...	0	3	6				Grey post ...	2	2	0			
Shale, mixed with <i>coal</i>	0	4	0				Shale stone ...	2	0	0			
Shale stone ...	2	2	9				Grey shale ...	0	1	4			
Whin ...	0	2	0										
Shale stone ...	1	2	9				<b>COAL</b> , strong	Ft. In.					
Grey and white post...	6	4	0				<b>COAL</b> , foul... 0 5						
<b>COAL</b> , foul... 0 0 10								0	4	8			
				12	1	10					8	4	0
Grey post ...	1	5	0				Grey shale ...	0	0	8			
Shale stone, with whin							Hard black shale, with						
girdles ...	3	0	6				<i>coal</i> ...	0	2	6			
Grey post ...	0	3	0				<b>COAL</b> ...	0	0	9			
Shale stone ...	1	2	6								0	3	11
Whin ...	0	1	0				Grey shale stone ...	0	2	0			
Dark shale, whin							Black shale and <i>coal</i>	0	1	0			
girdles ...	2	0	9				Shale stone ...	4	0	6			
<b>COAL</b> ...	0	0	3				Black shale ...	0	0	3			
				9	1	0							
Grey shale stone ...	1	0	0				<b>COAL</b> ...	Ft. In.					
Grey post ...	0	3	3				Shale, mixed	1	5				
Whin ...	0	1	3				with <i>coal</i> ...	0	8				
Grey post ...	1	2	4				<b>COAL</b> ...	0	7				
Whin ...	0	1	6				Shale, mixed						
Grey post ...	1	3	0				with <i>coal</i> ...	0	5				
Metal stone ...	2	0	0				<b>COAL</b> ...	0	4				
Dark shale ...	0	1	4				<b>COAL</b> , foul... 0 5						
								0	3	10			
<b>COAL</b> , strong	Ft. In.										5	1	7
Shale, mixed	2	3					Grey shale stone ...	1	3	0			
with <i>coal</i> ...	0	3					<b>COAL</b> , foul... 0 1 0						
<b>COAL</b> , tender	0	9									1	4	0
<b>COAL</b> , foul... 0 5							Shale stone ...	1	0	0			
				0	3	8							
				7	4	4	<b>COAL</b> , foul... 0 4						
							<b>COAL</b> , strong	3	1				
								0	3	5			
											1	3	5
Carried forward				42	1	8	Carried forward				66	4	2

## No. 2,319.—WOODHORN.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				66	4	2	Brought forward	13	1	6	66	4	2
Grey shale stone ...	2	0	0				Shale stone ...	0	3	6			
Grey post ...	0	2	6				Hard black stone, with						
Whin ...	0	1	0				<i>coal</i> ...	0	0	9			
Grey post ...	3	0	9				<b>COAL</b> ...	0	1	5			
<i>Coal pipes</i> ...	0	0	3								14	1	2
White post ...	2	1	0				Dark metal ...	0	0	6			
Whin ...	0	1	6				Into metal stone ...	1	4	0			
White post ...	5	0	0								1	4	6
Whin ...	0	0	6										
Carried forward	13	1	6	66	4	2	Total ...				82	3	10

## No. 2,320.—WOODHOUSE.

TOWNSHIP OF ST. HELEN'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 38' 14", Long. 1° 41' 45".

*Strata sunk through at Woodhouse Colliery (otherwise called Tindale Colliery).*  
1854.

Approximate surface level 330 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	2	0				Brought forward	3	3	0	18	1	9
Strong blue clay ...	2	4	0				Blue metal, with iron-						
Grey metal, with post							stone girdles ...	0	3	0			
girdles ...	5	4	0				Splint or jet ...	0	2	0			
Blue metal, with post							Post girdles ...	0	0	4			
girdles ...	0	1	6				Strong grey post,						
<b>COAL</b> ...	0	2	10				mixed with whin						
				9	2	4	and partings ...	2	3	7			
Strong thill ...	0	5	4				Black metal ...	0	4	0			
Whin girdles ...	0	0	3				Soft blue metal ...	3	3	6			
Soft blue metal ...	2	0	0				<b>COAL</b> ...	0	0	5			
Strong grey metal,											11	1	10
with whin girdles	2	2	0				Strong thill ...	1	3	0			
<b>COAL</b> ...	0	0	2				Splint ...	0	0	2			
				5	1	9	Strong grey metal,						
Strong black metal,							mixed with post ...	2	3	0			
with whin girdles	3	3	0				Strong blue metal ...	1	3	0			
<b>COAL</b> ...	0	0	8				<b>COAL</b> ...	0	0	2			
				3	3	8					5	3	4
Thill ...	0	3	0				Fire clay ...	0	1	6			
Strong grey metal,							<b>COAL—Yard Seam</b>	0	3	4			
with iron balls ...	3	0	0								0	4	10
Carried forward	3	3	0	18	1	9	Total ..				35	5	9

## No. 2,321.—WOODHOUSE CLOSE.

TOWNSHIP OF ST. ANDREW'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.

Long.

*Account of Boring made at Woodhouse Close Colliery, West Auckland.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Blue metal ...	1	5	0				Brought forward	17	2	5			
Post ...	0	2	10				Black metal ...	0	4	0			
Brown metal...	0	2	0				Blue metal ...	0	3	5			
Blue metal ...	1	0	0				Black stone ...	0	1	0			
Post ...	0	1	8				Blue metal ...	1	0	4			
Blue metal ...	0	5	6				Brown metal...	0	2	6			
Post ...	0	4	0				Post ...	0	0	6			
Blue metal ...	0	3	0				Black stone ...	1	3	9			
Brown metal...	0	5	0				<b>COAL</b> , foul...	0	0	4			
Blue metal ...	2	2	6								22	0	3
Post ...	0	0	5				Grey stone ...	0	0	6			
Post shiver ...	0	5	0				Post ...	0	2	0			
Blue metal ...	0	3	0				Whin ...	0	1	0			
Black metal...	0	1	0				Post ...	0	2	0			
Brown metal...	0	5	8				Blue metal ...	0	3	0			
Post ...	0	4	3				Blue slates ...	0	3	0			
Blue metal post stone	0	0	9				<b>COAL</b> , foul...	0	0	5			
Post ...	0	1	3								1	5	11
Blue metal post stone	0	0	9				Black stone ...	0	0	10			
Blue metal ...	1	0	7				Grey post ...	1	0	0			
Black metal (water goes off) ...	0	0	3				White post ...	0	0	9			
Grey stone ...	0	4	7				Blue metal post stone	0	0	5			
Blue metal ...	0	1	9				White post (water goes off)...	1	0	2			
Grey stone ...	0	1	8				Grey post ...	0	1	8			
Blue metal ...	0	1	3				Black stone and strong cover ...	1	0	0			
Post ...	0	2	3				<b>COAL</b> and clean water	0	5	2			
Blue metal ...	1	0	0								4	3	0
Brown metal ...	0	2	6										
Carried forward	17	2	5				Total ...				28	3	2

## No. 2,322.—WOODHOUSE CLOSE.

TOWNSHIP OF ST. ANDREW'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 38' 55", Long. 1° 41' 11".

*Strata sunk through in the North or Engine Pit at Woodhouse Close Colliery. Begun to sink June 2nd, 1835.*

Approximate surface level 370 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset ...				2	4	0	Brought forward				12	4	11
Soil ...	0	1	3				Grey thill ...	0	1	6			
Strong brown clay ...	2	5	6				Grey post, with water	0	0	9			
Dry gravel and sand	1	0	9				Blue metal ...	3	0	0			
Strong blue clay ...	1	4	3				Grey post girdle (55 gallons of water per minute) ...	0	0	5½			
Brown broken post ...	2	2	3				Blue metal ...	0	1	0			
Dark metal, with water	0	2	9				Coarse grey post girdle	0	0	7			
Grey metalstone, jointy	1	1	11				Blue metal ...	0	0	1½			
<b>COAL</b> ...	0	0	3										
				10	0	11	Carried forward	3	4	5	12	4	11
Carried forward				12	4	11							



## No. 2,322.—WOODHOUSE CLOSE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	4	5	12	4	11					43	1	10
Grey post ...	0	0	11				Thill, mixed with iron-						
Metal, scared with post	0	1	4				stone balls...	0	4	0			
Dark metal ...	0	0	9½				Strong grey metal,						
Grey post girdle ...	0	1	0½				with ironstone balls	0	4	0			
Blue metal ...	0	1	6				<b>COAL</b> , splint, bad ...	0	1	0			
											1	3	0
<b>COAL</b> , splint	Ft.	In.					Grey metal, with post						
Band ...	0	3					girdles ...	0	4	0			
<b>COAL</b> ...	0	9					Black stone ...	0	1	5			
							<b>COAL</b> , soft...	0	0	7			
				0	1	1					1	0	0
							Sound good thill (a						
Thill, broken with gul-				4	5	1	ring crib laid in here)	0	1	6			
lets, 11 in. thill, to							Blue metal, with large						
bottom of crib 8 in.	0	1	7				iron balls ...	5	2	0			
Grey post ...	0	2	5				Fine black stone ...	0	4	0			
Blue metal ...	0	0	4½				Strong rough thill,						
White post girdles ...	0	1	5				mixed with iron-						
Blue metal ...	1	0	10				stone balls...	0	2	0			
Grey post ...	0	1	6				Strong white post gir-						
Dark blue metal ...	4	1	0				dles, with metal						
<b>COAL</b> ...	0	0	0½				partings ...	2	1	0			
				6	3	2	<b>COAL</b> , good...	0	1	10			
Fine close thill (a ring											9	0	4
crib laid 8 ins. into							Thill ...	0	1	8			
it, remainder of thill							Strong rough white }	6	3	2			
1 fathom) ...	1	0	8				post ...	0	3	10			*
Grey metal, with iron-													
stone balls scared								Ft.	In.				
with post ...	1	0	0				<b>COAL</b> , good...	0	8				
Coarse grey whin girdle	0	1	2				Band ...	0	1				
Strong post girdles,							<b>COAL</b> ...	0	2				
with metal partings	3	3	0								0	0	11
White post, with metal											7	3	7
partings ...	2	3	0				Grey thill (king crib						
<i>Yard Coal Seam</i> —							laid in here) ...	0	1	2			
<b>COAL</b> , top, Ft. In.							Blue metal ...	1	3	7			
good ...	2	10					Strong whin girdle ...	0	0	7			
Band ...	0	3					Blue metal ...	0	0	8			
<b>COAL</b> , bot-							<b>COAL</b> ...	0	0	6			
tom, tender	1	2									2	0	6
				0	4	3	Fine grey thill ...	0	4	0			
							Strong grey post gir-						
Strong blue metal ...	1	5	0				dles ...	0	3	0			
<i>Coal parting</i> ...	0	0	2				Strong blue metal, with						
Soft thill ...	1	0	0				ironstone girdles ...	2	0	0			
Strong grey metal and							<b>COAL</b> , good ...	0	1	0			
post girdles, with											3	2	0
water ...	4	1	0				Dark thill, like a band	0	3	5			
<i>Note</i> .—Cistern stands							Grey post, with metal						
upon white post gir-							partings ...	3	3	7			
dles, which carries							Strong grey metal ...	1	4	0			
set of pumps.							Black stone ...	0	0	3			
Strong white post ...	2	4	0				Ramble ...	0	0	3			
<b>COAL</b> , coarse	0	6					<b>COAL</b> , good— <i>Main</i>						
Band ...	0	3					<i>Coal Seam</i> ...	0	4	7			
<b>COAL</b> , good...	1	8									6	4	1
				0	2	5							
				10	0	7							
Carried forward							Total ...				74	3	4
				43	1	10							

Depth is really 76 fathoms 1 foot.

\* Approximate sea level (Ordnance datum).

## No. 2,323.—WOODHOUSE CLOSE.

TOWNSHIP OF ST. ANDREW'S AUCLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.

Long.

*An Account of the Strata sunk through in the South Pit at Woodhouse Close Colliery.  
Recommended December 2nd, 1850.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk formerly, 12½							Brought forward	12	5	1½	17	5	4
feet pit from level							<i>Yard Coal Seam—</i>						
of settleboards, in-													
cluding outset ...	15	4	2				COAL, top						
Grey metal, with post							Band ...	0	5				
girdles ...	1	0	0				COAL, bot-						
Strong white post							tom ...	1	2				
girdle ...	0	2	2							0	3	3	
Dark blue metal ...	0	0	10								13	2	4½
Strong grey post ...	0	1	3				Soft thill stone ...	2	0	6			
Dark grey metal ...	0	1	8				Strong grey metal,						
COAL, splint ...	0	0	4				with ironstone balls	4	0	11			
				17	4	5	Strong grey metal,						
Thill stone ...	0	0	10				with post girdles ...	0	4	4			
COAL, good ...	0	0	1				Strong white post,						
				0	0	11	with water ...	2	3	8			
Dark blue metal ...	0	0	8										
Strong grey metal ...	0	1	3				COAL, soft ...	0	10				
Soft blue metal ...	0	0	4½				Band ...	0	5				
White post ...	0	0	1½				COAL, bottom	1	8				
Strong grey metal,										0	2	11	
scared with post ...	0	1	9½								10	0	4
Grey metal (pit only							Thill, mixed with iron-						
8½ feet from here)	0	1	5				stone balls...	0	4	0			
Strong grey post ...	0	0	6				Grey metal, with post						
Strong grey metal,							girdles ...	1	0	4			
with post ...	1	0	4				COAL, splint ...	0	0	4½			
Strong coarse grey											1	4	8½
post ...	0	1	5				Grey metal ...	0	2	6			
Dark blue metal, with							White post girdle						
ironstone balls (ring							(ring here) ...	0	4	0			
near top of metal)	2	5	2				Thill stone ...	0	1	1			
Soft white thill ...	0	0	2				COAL, soft (one 2½						
Dark blue metal, with							feet length of tim-						
ironstone balls ...	1	1	7				ber, one crib) ...	0	0	5			
Fine close thill, with											1	2	0
ironstone balls ...	1	0	2				Hard thill ...	0	4	0			
Grey metal, with iron-							Blue metal, mixed with						
stone balls...	1	0	8				large ironstone balls,						
Grey metal, with grey							walling commences						
whin balls ...	1	1	0				3 ft. 1 in. from top	4	5	0			
Strong grey metal,							Fine black stone ...	0	2	6			
scared with post ...	2	0	0				Strong rough thill,						
Strong whin post, with							mixed with iron-						
metal partings ...	1	0	6				stone balls ...	0	3	0			
Carried forward	12	5	1½	17	5	4	Carried forward	6	2	6	44	2	9

## No. 2,323.—WOODHOUSE CLOSE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	6	2	6	44	2	9	Brought forward	1	2	6	63	3	11
Strong post, mixed with ironstone gir- dles and metal partings ...	2	4	0				Strong grey metal, with ironstone gir- dles ...	0	4	6			
Strong white post ...	1	5	0				Blue metal ...	0	1	0			
COAL, strong ...	0	1	8				COAL (sunk through July 4th, 1851) ...	0	0	6			
				11	1	2					2	2	6
Thill ...	0	1	0				Thill ...	0	3	0			
Strong rough white post ...	7	4	0				Strong grey metal ...	1	1	0			
							Blue metal ...	1	3	0			
COAL ...	0	7					COAL ...	0	1	0			
Band ...	0	3									3	2	0
COAL ...	0	2					Dark thill ...	0	2	6			
			0	1	0		Strong white post ...	3	3	6			
				8	0	0	Strong grey metal ...	1	4	0			
Thill ...	0	1	6				COAL—Main Coal Seam ...	0	4	9			
Blue metal ...	1	1	0								6	2	9
Carried forward	1	2	6	63	3	11	Total ...				75	5	2

## No. 2,324.—WOODHOUSE CLOSE.

TOWNSHIP OF BISHOP AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 39' 31", Long. 1° 41' 15".

*Strata bored through in the South-east corner of the Field to the South-east of West Mill Dam, by Mr. W. Coulson. July, 1857.*

Approximate surface level feet 300 above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	5	5	8	15	1	9
Gravel ...	1	0	0				COAL ...	0	6				
Blue clay ...	9	0	0				Dark grey me- tal band ...	0	10				
Gravel, with water ...	1	0	0				COAL ...	2	6				
Quicksand, with water	0	2	0							0	3	10	
Dark loamy sand, mixed with coal ...	0	5	0								6	3	6
Sand and gravel, with water ...	1	1	10				Grey metal thill ...	0	4	0			
Grey metal ...	1	2	11				Light grey metal ...	1	3	9			
COAL, with danty partings ...	0	1	0				Grey metal ...	0	1	6			
				15	1	9	COAL, with black slate partings ...	0	2	6½			
Black metal, with coal pipes ...	0	2	0								2	5	9½
Grey metal, with post girdles ...	5	3	8				Into grey metal thill				0	2	6
Carried forward	5	5	8	15	1	9	Total ...				25	1	6½

## No. 2,325.—WOODHOUSE CLOSE.

TOWNSHIP OF ST. ANDREW'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.

Long.

*Strata bored through in No. 1 Hole, 2,310 links South 72½ West of South Pit, Woodhouse Close Colliery, by Mr. William Coulson, jun. Commenced July 24th, 1861; finished September 12th, 1861.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	0	10				Brought forward	16	1	4	5	1	8
Brown stony clay ...	1	0	8				Dark grey metal, very dark the last foot...	0	5	8			
Soft gravel, with a little water ...	0	1	0				Grey post, with metal partings ...	1	3	10			
Brown clay ...	0	1	2				Hard brown whin (1½ days boring) ...	0	0	8			
Blue stony clay ...	0	2	0				Strong grey post ...	0	2	4			
Soft jointy metal, with small balls of iron-stone ...	1	2	3				Grey metal, with post girdles ...	2	3	1			
Strong brown metal, with balls of iron-stone ...	0	2	0				Strong grey post ...	0	1	3			
Grey post ...	0	2	6				Grey metal, with post girdles ...	3	2	9			
Blue metal ...	1	0	10				Hard brown whin (2 days boring) ...	0	1	3			
<b>COAL</b> , slaty, with water ...	0	0	5	5	1	8	Grey metal, with post girdles ...	2	5	8			
Black metal ...	0	1	4				Dark grey metal, with scares of coal ...	0	0	6			
Grey metal ...	0	1	2				Grey metal thill ...	0	4	8			
Grey post ...	0	2	2				Mild white post, with metal partings ...	1	1	0			
Grey metal thill ...	0	5	9				Grey metal, with iron-stone balls ...	1	2	0			
Dark grey metal, with scares of coal ...	0	0	6				White post ...	1	1	6			
Grey metal ...	0	1	0				Dark grey metal ...	1	0	1			
White post, with metal partings ...	0	4	2				<b>COAL</b> ...	0	0	7	34	2	2
Brown post, with water	0	3	0				Brass and dark shale	0	0	6½			
White post, with water	1	2	10				<b>COAL</b> , danty ...	0	1	3½	0	1	10
Dark grey metal ...	0	3	3				Soft brown metal thill	0	4	8			
Grey metal, with post girdles ...	2	2	11				Blue metal, with post girdles ...	1	1	7			
Dark grey metal ...	1	0	4				Black metal ...	0	0	10			
Strong grey post ...	0	1	9				Grey metal, with black scares ...	0	3	0			
Grey metal ...	0	4	0				Strong white post, with metal partings ...	0	4	1			
Strong grey post, very hard ...	0	2	4				Into dark grey metal	0	1	4½	3	3	6½
Dark grey metal ...	0	4	6										
Grey metal, with post girdles ...	0	5	4										
Strong white post ...	1	2	0										
Dark grey metal, with balls of ironstone ..	2	1	9										
Grey metal, with iron-stone girdles ...	0	5	3										
Carried forward	16	1	4	5	1	8	Total ...				43	3	2½



## No. 2,326.—WOODHOUSE CLOSE.

TOWNSHIP OF ST. ANDREW'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. , Long.

*Strata bored through in No. 2 Hole in Cabin Gate Field, course from Woodhouse Close North Pit, South  $69\frac{3}{4}$  East and distance 2,140 links, by Mr. W. Coulson, Jun. Commenced September 23rd, finished November 23rd, 1862.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	36	1	8			
Blue stony clay ...	2	3	6				Strong white post,						
Sand, with a little water	0	2	0				mixed with whin ...	2	4	2			
Blue stony clay ...	0	4	0				<b>COAL</b> , danty ...	0	0	9			
Brown stony clay ...	4	3	0								39	0	7
Soft rubbly water ...	0	1	3				Soft grey metal thill...	0	5	8			
White post ...	0	1	10				Blue metal, with post						
Strong grey metal ...	1	2	9				girdles ...	0	4	0			
Strong white post, with							Dark grey metal, with						
metal partings and							black scares ...	0	4	6			
a little water ...	5	0	1				Light grey metal ...	1	2	8			
Dark grey metal ...	0	1	2				Strong dark grey metal	0	2	0			
Grey post ...	0	4	0				<b>COAL</b> ...	0	0	6			
Grey metal, with post											4	1	4
girdles ...	3	0	0				Soft brown thill, bored						
Dark blue metal ...	1	5	7				with wimble ...	0	0	9			
Dark grey metal ...	0	5	0				Strong grey metal, in-						
Light grey metal thill	0	3	0				clining to post ...	0	1	7			
Strong grey post, with							<b>COAL</b> , soft danty ...	0	0	10			
metal partings ...	1	0	0				<b>COAL</b> , soft slaty ...	0	0	7			
Blue metal, with post											0	3	9
girdles ...	2	5	6				Blue metal, with post						
Grey post, with metal							girdles ...	1	5	10			
partings ...	2	0	0				Strong grey post ...	0	4	10			
Strong blue metal, with							Blue metal ...	2	0	2			
threads of post ...	3	5	0				Dark grey metal ...	0	4	6			
White post girdle ...	0	1	6				Strong grey post ...	1	0	6			
Black metal, mixed											6	3	10
with coal ...	0	2	0										
Light grey metal thill	1	0	0										
Blue metal ...	1	4	6										
Strong grey post ...	0	5	0										
Carried forward	36	1	8				Total ...				50	3	6

No. 2,327.—WOODHOUSE CLOSE.

TOWNSHIP OF ST. ANDREW'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat. , Long.

*Strata bored through in No. 6 Hole, Woodhouse Close.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	1	6				Brought forward				42	1	8
Blue stony clay ...	11	2	6				Dark grey metal thill	0	0	1			
<b>COAL</b> , with water ...	0	1	3				Light grey metal ...	0	2	5			
				11	5	3	Black metal, with						
White post, with metal							scares of <i>coal</i> ...	0	1	2			
partings and water	1	4	1				Light grey metal ...	0	0	4			
Grey metal ... ..	0	3	3				Hard white post, with						
<b>COAL</b> ... ..	0	0	7				metal partings ...	2	5	8			
				2	1	11	(Lost the feeder of						
Grey metal, with post							water at a parting						
girdles ... ..	0	4	2				when 1 fathom into						
Hard white post, with							the post.)						
water ... ..	0	3	5				Black metal, mixed						
Grey metal, with post							with <i>coal</i> and brass	0	0	8			
girdles ... ..	4	2	8				Dark grey metal, with						
Light grey metal ...	1	2	0				post girdles ...	3	0	1			
Black metal, mixed							<b>COAL</b> ... ..	0	0	8			
with <i>coal</i> ... ..	0	2	5								6	5	1
Light grey metal ...	0	2	2				Grey metal thill ...	0	1	10			
White and grey post,							Grey metal ... ..	0	4	6			
with metal partings	1	2	3				Grey post, with metal						
Grey whin, mixed with							partings ... ..	1	1	9			
post ... ..	0	4	2				Hard white post ...	1	2	2			
Soft black metal ...	0	1	2				Soft grey metal ...	0	2	10			
Mild grey post ...	0	1	4				<b>COAL</b> ... ..	0	0	2			
<b>COAL</b> ... ..	0	0	2								4	1	3
				10	1	11	Grey metal ... ..	0	0	4			
White and grey post,							<b>COAL</b> ... ..	0	0	5			
with metal partings	1	0	1								0	0	9
Grey metal, with post							Strong grey post ...	1	2	4			
girdles ... ..	1	3	9				Very hard white post	0	2	11			
Black metal ... ..	0	1	0				Soft dark grey metal,						
light metal, with hard							with thin post part-						
post girdles ... ..	4	4	4				ings ... ..	2	2	8			
Grey metal, with post							Soft light metal, with						
girdles, dark metal							a 5 in. whin girdle						
partings, and scares							near the top ...	1	2	6			
of <i>coal</i> ... ..	4	3	8				Soft dark metal, with						
Strong grey post, with							thin post girdles						
soft metal partings	2	1	4				mixed with a little						
Strong light grey							<i>coal</i> at the bottom	1	1	0			
metal ... ..	1	2	6				Mild grey post, with						
Hard grey post ...	0	4	6				soft metal partings						
Soft light metal ...	0	4	9				and hard post girdles	5	5	1			
<b>COAL</b> , danty partings							Mild dark grey post,						
and much brass ...	0	2	8				with very hard white						
				17	4	7	post panels 2 inches						
							thick ... ..	2	2	9			
Carried forward	42	1	8				Carried forward	15	1	3	53	2	9

## No. 2,327.—WOODHOUSE CLOSE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	15	1	3	53	2	9	Brought forward	0	3	8	78	1	2
Hard white and grey post, with thin metal partings at the top and soft post partings at bottom, with coal pipes ...	...	9	2	3			Strong light metal with a green shade, a post girdle near the top, and an iron-stone ball near the bottom ...	1	4	10			
COAL, danty	...	0	0	11			Dark grey metal, with coal pipes and a foot of grey post at the bottom ...	1	1	0			
				24	4	5	Into hard duffy white post ...	0	4	10			
Dark metal ...	...	0	0	1							4	2	4
Brown metal ...	...	0	1	1			Total ...	...	...	...	82	3	6
Brown metal, with coal pipes ...	...	0	0	9									
Soft grey metal ...	...	0	1	9									
Carried forward	0	3	8	78	1	2							

## No. 2,328.—WOODHOUSE CLOSE.

TOWNSHIP OF ST. ANDREW'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.

Long.

*Strata bored through upwards on the Old South Engine Plane at about 300 yards from the North Pit, Woodhouse Close Colliery, reckoning from the bottom of the Main or Brockwell Seam, by Messrs. W. Coulson and Sons. Begun 31st August, 1874; discontinued 7th November, 1874. [Section should read upwards.]*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Into hard grey post...	1	0	0				Brought forward	10	3	6			
<i>Busty Seam</i> —							Grey metal ...	0	2	4			
COAL ...	0	3	½				Grey post ...	0	5	6			
Band ...	0	0	½				Grey metal ...	1	3	9			
COAL ...	1	2											
Splint ...	0	6					COAL ...	0	11				
COAL, coarse	0	3					Band ...	0	2				
				0	2	3	COAL ...	0	2				
						1	2	3					
Dark metal ...	...	0	0	4					0	1	3		
Grey metal ...	...	0	1	0							3	0	10
Hard white post and grey girdles ...	...	2	1	10			Grey metal ...	...	0	1	9		
Grey post ...	...	0	1	0			Hard white post ...	...	3	2	10		
Hard white post ...	...	3	3	2									
COAL ...	...	0	0	7			<i>Bored upwards from here:—</i>						
						6	Blue metal, fallen ...	0	4	4			
Grey metal, with grey post girdles ...	...	2	4	10			COAL—Main Coal or Brockwell Seam	0	4	10			
COAL ...	...	0	0	6							5	1	9
						2	5	4					
Carried forward	10	3	6				Total ...	...	...	...	19	0	1

B B

## No. 2,329.—WOODHOUSE CLOSE.

TOWNSHIP OF ST. ANDREW'S AUCKLAND, DURHAM.

Sheet 42 of Ordnance Map. Lat.

, Long.

*Strata bored through in No. — Hole, near to Dam Head, Woodhouse Close Colliery,  
by Messrs. Wm. Coulson and Son. Commenced November 23rd, 1874;  
discontinued April 7th, 1875.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	4	0				Brought forward				25	4	10
Gravel, with water ...	4	3	0				Dark grey metal ...	0	0	3			
Sand and water ...	1	3	0				Strong grey metal, with post girdles ...	3	4	10			
Gravel ...	0	2	0				Mild white post (the water went away 2 feet into this) ...	2	1	0			
Sand and gravel ...	0	5	10				<b>COAL</b> ...	0	0	3			
Grey metal ...	0	2	4								6	0	4
White post, with a little water ...	3	0	2				Grey metal ...	3	0	10			
Grey metal ...	1	1	2				<b>COAL</b> , coarse						
<b>COAL</b> — <i>Brockwell</i> <i>Seam</i> ...	0	4	0 $\frac{1}{2}$	13	1	6 $\frac{1}{2}$	Ft. In.	0	8				
							Dark brown metal band	0	1 $\frac{1}{2}$				
Blue metal ...	0	3	8				<b>COAL</b> ...	0	8 $\frac{1}{2}$				
Light grey metal ...	0	4	0							0	1	6	
White post and metal girdles ...	0	5	0								3	2	4
Hard white post ...	1	0	6				Dark grey metal ...	0	0	8			
Blue metal ...	0	5	8				Grey metal ...	1	1	6			
Hard post ...	0	2	9 $\frac{1}{2}$				White post ...	3	4	11			
Dark grey post ...	5	2	3				Whin girdle ...	0	0	8			
Light grey metal, with black bands ...	2	1	2				White post ...	1	2	0			
<b>COAL</b> ...	0	5					Grey metal and post girdles ...	3	0	2			
Grey metal band	0	7					<b>COAL</b> , with slate partings ...	0	0	7 $\frac{3}{4}$	9	4	6 $\frac{3}{4}$
<b>COAL</b> , danty	0	9											
Black metal, with coal pipes ...	0	6					Dark grey metal ...	0	0	5			
				0	2	3	White post ...	1	4	0			
				12	3	3 $\frac{1}{2}$	Grey metal ...	4	0	7			
							Into whin stone ...	0	0	11 $\frac{1}{4}$			
											5	5	11 $\frac{1}{4}$
Carried forward				25	4	10	Total ...				51	0	0



## No. 2,330.—WOODIFIELD.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 33 of Ordnance Map. Lat.

, Long.

*Strata taken in the Old Landsale Pit, Woodifield Colliery.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset and walling ...	1	3	8				Brought forward	1	2	5	10	0	7½
Brown and grey post	1	0	10				Grey metal ...	0	2	6			
Blue and brown metal	0	4	9				Grey metal ...	0	0	7			
<b>COAL</b> ...	Ft.	In.					Grey post ...	0	1	8			
Band ...	0	7					Dark metal ...	0	0	9			
<b>COAL</b> ...	2	7					<b>COAL—Five-Quarter</b>						
				0	4	2	<i>Seam</i> ...	0	4	2			
				4	1	5					3	0	1
Grey metal ...	0	0	5¾				Seggar clay, with no-						
Black metal ...	0	0	6¾				dules of ironstone...	1	0	7			
Grey metal ...	0	2	10				Light grey post ...	1	2	5			
<b>COAL</b> ...	0	0	9				Grey metal ...	0	3	7			
				0	4	7½	Very hard grey sand-						
Seggar clay ...	0	0	9				stone	0	2	5			
Light blue metal	0	1	2½				Post, with metal part-						
Light grey post	0	4	10½				ings	0	4	5			
Grey metal ...	0	0	8				Grey metal ...	1	3	0			
Grey post ...	0	1	7				<b>COAL</b> ...	0	2	2½			
Grey metal ...	0	1	6½								6	0	7½
Grey post ...	0	1	6				Dark grey metal ...	0	1	4½			
Grey metal ...	0	1	11¾				Post, with metal part-						
Grey metal ...	0	1	4				ings	4	5	4			
Grey post, with metal							Dark grey metal, with						
partings	0	2	10½				thready layers and						
Grey metal ...	0	0	5¼				nodules	1	1	6			
Strong grey metal	0	1	7										
Grey post ...	0	2	9				<b>COAL</b> ...	Ft.	In.				
Blue metal ...	0	3	1				Band ...	0	6				
Grey post ...	0	2	0½				<b>COAL</b> ...	4	4				
Dark metal ...	0	0	4½				Splint	0	2				
<b>COAL</b> ...	0	2	0							1	1	2	
				5	0	7							
Dark grey metal ...	0	2	0½								7	3	4½
Dark grey metal, with							Seggar clay ...	0	2	0			
nodules of ironstone	0	0	6				Seggar clay, with no-						
Brown post ...	0	5	10½				dules of ironstone...	1	0	4			
											1	2	4
Carried forward	1	2	5	10	0	7½	Total ...				28	1	0½

## No. 2,331.—WOODIFIELD.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 33 of Ordnance Map. Lat. , Long.

*Account of Strata bored through in the Royalty of G. Wilkinson, Esq., Mown Meadows, by Mr. W. Coulson. December, 1839.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	1	0				Brought forward				10	1	9
Clay, stones, and yellow clay ... ..	0	4	0				Grey metal, with post girdles and water...	4	4	0			
Strong brown stony clay ... ..	4	2	0				<b>COAL</b> ... ..	0	2	0			
Brown post, with water	1	5	9								5	0	0
Strong white post ...	1	0	0				Grey metal, with post girdles ... ..	3	0	0			
White post, with metal partings and water	1	0	9				White post ... ..	3	0	0			
Grey metal ... ..	0	2	0				Grey post ... ..	1	3	0			
Dark grey metal ...	0	0	6				Grey metal ... ..	0	3	0			
<i>Five-Quarter Seam—</i>							Dark grey metal ...	0	3	0			
<b>COAL</b> ... ..	2	7					<i>Main Coal Seam—</i>						
<b>COAL</b> , splint ...	0	9					<b>COAL</b> ... ..	2	8				
<b>COAL</b> ... ..	0	5					Dark band... ..	0	3				
				0	3	9	<b>COAL</b> ... ..	4	4				
							Splint ... ..	0	4				
											1	1	7
											9	4	7
Carried forward				10	1	9	Total ... ..				25	0	4

## No. 2,332.—WOODIFIELD.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 33 of Ordnance Map. Lat. 54° 42' 42", Long. 1° 45' 7".

*Strata sunk in the B Pit, Woodifield Colliery. Begun to sink September 11th, 1843; finished November 8th, 1843.*

Approximate surface level 500 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil... ..	0	1	0				Brought forward				4	1	7
Marly clay ... ..	2	3	1				Grey metal ... ..	0	3	4			
Grey metal ... ..	0	4	9				Dark grey metal ...	0	3	0			
<i>Five-Quarter Seam—</i>							Very dark grey metal	0	2	0			
<b>COAL</b> ... ..	3	1					Light grey post ...	0	2	0			
Band ... ..	0	1					Dark grey metal ...	0	0	1			
<b>COAL</b> ... ..	1	7					<b>COAL</b> ... ..	0	1	11½			
											2	0	4½
				0	4	9	Grey metal ... ..	1	1	0			
							White post ... ..	0	1	1½			
											1	2	1½
Carried forward				4	1	7	Carried forward				6	1	11½

## No. 2,332.—WOODIFIELD.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward							Brought forward						
Dark grey metal ...	0	0	3½				Grey metal ...	0	2	0	13	5	1½
White post ...	0	2	7½				Whin and ironstone...	0	0	10			
Dark grey metal, mixed with post ...	0	4	10				<b>COAL</b> ...						
Grey and white post, with metal near the bottom ...	2	3	2				Ft. In.						
White and grey post	0	2	2				Grey metal ...	1	0				
Post, with metal part- ings ...	0	5	7½				<b>COAL</b> ...	4	1				
White and grey post	0	1	4				Splint ..	0	2				
Dark grey metal ...	0	2	10				—			1	0	1	
<b>COAL</b> ...	0	2	2										1 2 11
				7	3	2	Seggar clay ...	0	1	8½			
							Seggar clay, with nodules of ironstone	0	5	3			
							Seggar clay ...	0	0	6			
							Into post ...	0	0	6			
											1	1	11½
Carried forward				13	5	1½	Total ...				16	4	0

## No. 2,333.—WOODLAND.

TOWNSHIP OF WOODLAND, DURHAM.

Sheet 40 of Ordnance Map. Lat. , Long.

*Section of Strata sunk through at Woodland Colliery.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Surface (clay and soil)	2	1	8				Brought forward				12	3	4
Blue metal, with iron girdle (18 ins.) ...	1	3	0				<b>COAL</b> , good ...	0	0	11			
<b>COAL</b> , soft ...	0	0	2				Strong dark post ...	1	5	1			
Yellow clay ...	0	0	2				Strong white post ...	0	1	6			
Grey post ...	3	0	6				Strong grey whin ...	0	1	5			
Blue metal ...	0	2	4				Leafy post ...	2	0	3			
Grey post ...	0	1	0				Dark blue metal ...	0	4	1			
Blue metal ...	1	2	6				Iron girdle ...	0	0	7			
<b>COAL</b> ...	0	2	0				Dark blue metal ...	0	1	2			
Fire clay ...	0	1	1				Leafy post ...	0	2	10			
Blue metal ...	0	4	6				White post ...	0	1	9			
Strong grey post ...	0	3	6				Leafy post ...	0	1	5			
Blue metal ...	0	1	11				Strong grey post ...	2	0	11			
Strong grey post ...	0	1	5				Leafy post ...	0	3	0			
<i>Five-Quarter Seam—</i>							<b>COAL</b> , metal ...	0	2	0			
Ft. In.							Blue metal ...	0	4	0			
<b>COAL</b> , top	0	4					<i>Main Coal Seam—</i>						
Band ...	0	5					Ft. In.						
<b>COAL</b> ...	3	10					<b>COAL</b> , top	2	8				
				0	4	7	Band ...	0	4				
							<b>COAL</b> , bot- tom ...	3	1				
Fire clay ...	0	2	8				—			1	0	1	
<b>COAL</b> , parrot ...	0	0	4										11 1 0
				0	3	0	Total ...				23	4	4
Carried forward				12	3	4							

## No. 2,334.—WOOLEY.

TOWNSHIP OF BRANCEPETH, DURHAM.

Sheet 26 of Ordnance Map. Lat. 54° 44' 26", Long. 1° 43' 21".

*Section of Strata sunk through at Wooley Pit, Pease's West Colliery. August, 1864.*

Approximate surface level 700 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	1	0				Brought forward				27	1	6
Yellow clay ... ..	1	1	0				Fire clay ... ..	0	1	0			
Rubble freestone, with							Grey post, with water	0	2	8			
girdles ... ..	1	3	0				Grey metal, with post						
Strong grey post ...	3	3	6				girdles ... ..	2	0	10			
Blue metal ... ..	3	2	6				<b>COAL</b> ... ..	0	0	8			
Black stone ... ..	0	0	6								2	5	2
<b>COAL</b> ... ..	0	1	6				Fire clay ... ..	0	1	6			
				10	1	0	Grey leafy post, with						
Seggar ... ..	1	0	0				water ... ..	0	2	6			
<b>COAL</b> , jet ... ..	0	0	4				Strong grey post,						
Band ... ..	0	0	2½				mixed with whin ...	1	2	0			
<b>COAL</b> ... ..	0	0	2½				Blue metal ... ..	0	0	9			
				1	0	9	Brown whin girdle ...	0	2	3			
Seggar ... ..	0	1	0				Blue metal ... ..	1	1	7			
Grey metal, with post							Strong grey metal, with						
girdles ... ..	1	5	1½				post girdle ... ..	1	5	0			
Strong post girdles ...	0	3	6				Dark blue metal, with						
Grey metal, with post							ironstone bands ...	2	2	7			
girdles ... ..	1	3	6				<b>COAL</b> ... ..	0	0	8			
Black stone ... ..	0	5	4								8	0	10
<b>COAL</b> ... ..	0	0	10				Seggar ... ..	0	3	0			
				5	1	3½	Grey metal, with post						
Fire clay ... ..	0	2	6				girdles ... ..	2	5	8			
Black stone ... ..	0	2	1				Blue metal ... ..	0	1	8			
<b>COAL</b> ... ..	0	1	8				Black stone ... ..	0	0	6			
				1	0	3	Seggar ... ..	0	0	6			
Black stone ... ..	0	0	8				<b>COAL</b> ... ..	0	2	7			
Fire clay ... ..	0	4	0								4	1	11
Grey metal, with iron							Black stone ... ..	0	0	6			
girdles ... ..	1	3	11				Seggar ... ..	0	3	6			
Fire clay ... ..	0	1	8				Grey post ... ..	0	2	0			
Black stone ... ..	0	2	10½				Grey metal ... ..	0	2	2			
<b>COAL</b> ... ..	0	0	1½				<b>COAL</b> ... ..	0	0	2			
				3	1	3					1	2	4
Seggar ... ..	0	2	4				Seggar ... ..	0	2	7			
Black stone ... ..	0	0	3				Whin girdle ... ..	0	1	0			
Seggar ... ..	0	0	11				Grey metal ... ..	0	4	6			
Grey metal, with water	1	0	6				<b>COAL</b> ... ..	0	0	1			
Grey metal, with post											1	2	2
girdles ... ..	0	4	2				Seggar ... ..	0	2	6			
Black stone ... ..	0	2	0				Grey metal ... ..	1	2	2			
<b>COAL</b> ... ..	0	0	3				Blue metal ... ..	0	3	8			
				2	4	5½	<b>COAL</b> ... ..	0	1	11			
Grey metal, mixed with											2	4	3
post girdles ... ..	3	4	0				Seggar ... ..	0	0	10			
Black stone ... ..	0	0	3				<b>COAL</b> ... ..	0	0	6			
<b>COAL</b> ... ..	0	0	3								0	1	4
				3	4	6							
Carried forward				27	1	6	Carried forward				48	1	6



## No. 2,334.—WOOLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				48	1	6		Brought forward					
Seggar ... ..	0	2	5					<b>COAL</b> — $5\frac{1}{4}$ <i>for Bottom</i>					
Grey metal, with iron-								<i>Busty Seam</i> ...	0	2	1 $\frac{1}{2}$		
stone bands ...	0	3	4								3	0	4 $\frac{1}{2}$
Black stone ...	0	0	10					Coarse seggar ...	0	2	7		
<b>COAL</b> ... ..	0	0	2					White grey post ...	6	3	0		
				1	0	9		Grey metal ...	1	2	5		
Seggar ... ..	0	1	0					<b>COAL</b> — $3\frac{1}{4}$ <i>or B Seam</i>	0	1	5		
Strong grey metal,											8	3	5
mixed with strong								Seggar ... ..	0	2	0		
post ... ..	2	5	2					Grey metal, with iron-					
Blue metal ...	0	0	6					stone bands ...	1	2	0		
<b>COAL</b> — <i>Ballarat or</i>								<b>COAL</b> ... ..	0	0	3		
<i>Top Busty Seam</i> ...	0	1	5								1	4	3
				3	2	1		Seggar ... ..	0	1	6		
Seggar ... ..	0	3	0					Strong grey metal,					
Grey post ... ..	0	4	3					with post girdles ...	0	5	10		
Blue metal ... ..	0	2	0					Strong grey post ...	1	0	0		
Grey metal, with post								Leafy post ... ..	0	1	0		
girdle ... ..	0	2	2					Grey post, with metal					
Whin girdle ...	0	1	5					partings ... ..	8	2	6		
Grey leafy post ...	0	1	0					Blue metal ... ..	0	0	6		
Grey metal, with post								<b>COAL</b> — <i>Brockwell</i>					
girdle ... ..	0	1	0					<i>Seam</i> ... ..	0	3	8		
Blue metal ... ..	0	1	0								11	3	0
Black stone ... ..	0	0	5										
Carried forward	2	4	3	52	4	4		Total ... ..			77	3	4 $\frac{1}{2}$

## No. 2,335.—WOOLEY.

TOWNSHIP OF BRANCEPETH, DURHAM.

Sheet 26 of Ordnance Map. Lat.

°, Long.

*Strata bored South-west of High Wooley Farm House.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Soil ... ..	0	0	10				Brought forward	0	5	3	31	4	6	
Blue clay ... ..	13	3	2				Grey post ... ..	3	1	0				
Grey metal ... ..	2	2	9				Black stone ... ..	0	0	6				
Black stone, mixed							Grey post, with water	3	5	6				
with <i>coal</i> ... ..	0	2	0				Grey metal stone ...	1	1	6				
Grey metal, with post														
girdles ... ..	0	3	0				<b>COAL</b> ... ..	<i>Ft. In.</i>						
Grey post ... ..	0	4	9				... ..	2	7					
Grey metal ... ..	0	4	0				Band, grey							
Black stone, mixed							metal ... ..	0	9					
with <i>coal</i> ... ..	0	2	10				<b>COAL</b> ... ..	0	5					
Grey metal ... ..	0	1	6							0	3	9		
Grey post ... ..	3	3	4									9	5	6
Brown post ... ..	0	5	6				Dark grey metal, with							
Grey metal stone ...	1	2	3				post girdles ... ..	4	2	0				
White post, with water	6	4	4				White post ... ..	1	1	2				
<b>COAL</b> ... ..	0	0	3				Grey post ... ..	1	3	0				
				31	4	6	Dark grey metal ...	0	2	10				
Grey metal, with <i>coal</i>							<b>COAL</b> , good ... ..	0	2	6				
<i>pipes</i> ... ..	0	5	3								7	5	6	
Carried forward	0	5	3	31	4	6	Total ... ..				49	3	6	

## No. 2,336.—WOOLEY.

TOWNSHIP OF BRANCEPETH, DURHAM.

Sheet 26 of Ordnance Map. Lat. , Long.

*An Account of Strata bored through at High Wooley, Second Hole, South of House near Burn which divides the Russels' property.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay, etc. ... ..	2	2	0				Brought forward	6	1	7	33	1	11
Metal, etc. ... ..	6	1	0				Whin... ..	0	0	9			
Metal and black stone	0	3	2				Metal stone and post						
<b>COAL</b> ... ..	0	1	11				girdles ... ..	1	0	0			
				9	2	1	<b>COAL</b> , strong	0	2	7			
Metal, with <i>coal</i> ...	0	1	0				Metal stone ... ..	0	0	9			
Dark metal, etc. ...	7	1	6				<b>COAL</b> ... ..	0	0	5			
Metal, etc., scared with							Metal and post ...	4	0	10			
<i>coal</i> at intervals and							Whin ... ..	0	1	3			
water ... ..	13	1	0				White post strong	1	1	0			
Grey metal stone ...	3	0	5				Dark metal, with post						
<b>COAL</b> ... ..	0	1	11				and whin girdles ...	1	1	11			
				23	5	10	Post ... ..	1	0	0			
Grey metal, with post							Whin ... ..	0	0	6			
girdles ... ..	0	5	0				Post ... ..	0	1	0			
White post ... ..	0	3	0				Metal stone ... ..	0	3	0			
Grey metal and post							<b>COAL</b> ... ..	0	2	6			
girdles ... ..	2	1	7				Blue metal ... ..	0	2	8			
Whin... ..	0	1	0								17	2	9
Grey metal, with post													
girdles, and grey													
metal scared with													
<i>coal</i> and metal stone													
and post girdles ...	2	3	0										
Carried forward	6	1	7	33	1	11	Total ... ..				50	4	8

## No. 2,337.—WOOLSINGTON.

TOWNSHIP OF WOOLSINGTON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. , Long.

*Bored at Woolsington, about 120 yards to the North-east from the Hall.  
April 30th, 1759.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and brown clay...	0	2	0				Brought forward	1	0	0			
Stony clay ... ..	0	4	0				Sand mixed with clay,						
							with water ... ..	0	1	6			
							Strong stony clay ...	9	0	0			
											10	1	6
Carried forward	1	0	0				Carried forward				10	1	6



## No. 2,339.—WOOLSINGTON.

TOWNSHIP OF WOOLSINGTON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. , Long.

*Third Place bored near Woolsington, 300 yards North-west from the Second Place.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay ...	1	0	9				Brought forward	4	1	4	16	4	0
Gravel ...	0	1	6				Black grey metal stone,						
Sand, with water ...	0	1	0				with post girdles and						
Stony clay ...	15	0	9				water ...	2	1	0			
				16	4	0	White post and metal						
Blue grey metal ...	3	3	6				partings ...	0	4	0			
Grey metal stone ...	0	3	0				Into black grey metal						
Post girdle ...	0	0	10				and post girdles ...	1	0	2			
											8	0	6
Carried forward	4	1	4	16	4	0	Total ...				24	4	6

## No. 2,340.—WOOLSINGTON.

TOWNSHIP OF GREAT WOOLSINGTON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. , Long.

*Fourth Place at Woolsington, in the East part of the Narrow Close, about 90 yards from South Boundary.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	0	9				Brought forward	0	0	11	18	2	0
Stony clay ...	1	0	0				Soft grey ramby stone	0	0	7			
Gravel and channel,							Stony clay ...	0	2	0			
with water ...	0	3	0				Stony clay, mixed with						
Stony clay ...	3	0	9				ramble or broken						
Stony clay, mixed with							post ...	1	0	0			
sand ...	0	1	0				Grey metal, with post						
Stony clay ...	12	3	6				girdles ...	1	0	0			
				17	3	0	Grey scamy post ...	2	2	0			
Soft black grey ram-							Grey and blue metal,						
ibly metal, mixed							with some small						
with clay and some							pieces of black metal						
scars of coal ...	0	1	6				near the bottom ...	4	1	6			
Grey ramby stone ...	0	2	0				Grey post ...	0	1	3			
Black metal ...	0	0	6				Grey metal stone, with						
COAL ...	0	1	0				post girdles ...	2	0	0			
				0	5	0	Grey post ...	1	3	7			
Blue metal ...	0	0	3								12	5	10
Stony clay, with a													
small mixture of													
sand ...	0	0	8										
Carried forward	0	0	11	18	2	0	Total ...				31	1	10



## No. 2,341.—WOOLSINGTON.

TOWNSHIP OF WOOLSINGTON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. , Long.

*Sunk in the Second Pit, near Woolsington Bridge.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ... ..	1	1	6				Brought forward	2	1	0	16	4	6
Sand (no water) ... ..	0	0	6				Blue stone, which is						
Clay ... ..	5	4	0				the foundation of						
Sand (no water) ... ..	0	1	6				the dam ... ..	0	3	6			
Clay ... ..	5	1	6				Black stone ... ..	4	3	0			
				12	3	0	White clay parting ... ..	0	0	3			
White post, with whin	2	5	6				Blue stone ... ..	0	2	6			
Grey girdle post ... ..	0	2	9				<b>COAL</b> , foul... ..	0	2	3			
Blue stone ... ..	0	4	9								8	0	6
<b>COAL</b> , foul... ..	0	0	6				Black stone, mixed						
				4	1	6	with catheads ... ..	0	5	10			
Black thill ... ..	0	1	0				Strong blue stone ... ..	0	0	8			
Grey girdles, with							<b>COAL</b> ... ..	0	5	0			
water ... ..	2	0	0								1	5	6
Carried forward	2	1	0	16	4	6	Total ... ..				26	4	6

## No. 2,342.—WYLAM.

TOWNSHIP OF WYLAM, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat. Long.

*Bored on Wylam Common, North from the Town about 350 yards. 1750.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... ..	0	1	0				Brought forward	0	3	9	14	0	5
Stony clay ... ..	8	5	0				Grey metal, with gir-						
Strong white post gir-							dles or lumps ... ..	1	3	4			
dles, metal partings,							White post ... ..	0	5	0			
and a small sipping							Grey and black metal,						
of water ... ..	3	0	0				with post girdles ... ..	0	5	0			
White post, mixed													
with whin... ..	0	2	0										
White post ... ..	1	3	6				<b>COAL</b> ... ..	1	2				
Grey metal ... ..	0	0	3				Metal or scare						
<b>COAL</b> ... ..	0	0	8				band ... ..	0	1				
				14	0	5	<b>COAL</b> ... ..	0	4				
Blue and grey metal	0	3	0				<b>COAL</b> , foul... ..	0	2				
Strong brown and dun							<b>COAL</b> ... ..	1	9				
open post, with water	0	0	9								0	3	6
											4	2	7
Carried forward	0	3	9	14	0	5	Grey metal ... ..				0	0	4
							Total ... ..				18	3	4

## No. 2,343.—WYLAM.

TOWNSHIP OF WYLAM, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat. , Long.*Second Hole on the Common, about 200 yards North of the Town. 1750.*

Approximate surface level - feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Soil and stony clay ...	9	0	0				Brought forward	17	3	6				
White post ...	0	0	6				Grey metal ...	0	1	0				
Blue and grey scamy metal ...	0	1	0				<b>COAL</b> ...	0	0	8				
Stony clay, with blue and grey metal ...	1	3	0								17	5	2	
Blue grey metal stone	0	3	0				Grey metal, with cat-heads ...	1	3	0				
Blue and grey metal, post girdles, and water ...	1	2	0				Open brown post, with water ...	0	1	0				
White post, with metal partings ...	1	0	0				White and grey post	0	3	0				
Dun whin ...	0	1	6				Grey and blue metal, with post girdles ...	1	0	0				
White post ...	3	2	0				Blue and black metal	0	0	10				
White post, mixed with whin ...	0	2	6				<b>COAL</b> , with some small scare bands...	0	3	7		3	5	5
Carried forward	17	3	6				Into grey metal ...				0	0	6	
							Total ...				21	5	1	

## No. 2,344.—WYLAM.

TOWNSHIP OF WYLAM, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat. , Long.*Bored at Wylam, about 50 yards North-east from the Ford. First Hole.  
By Mr. J. Rawling.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and gravel ...	0	3	9				Brought forward	2	4	9			
Brown and grey post, with red ramby parting ...	2	0	0				<b>COAL</b> , soft .	2	0				
<b>COAL</b> , soft loose							Grey metal, scared with						
slaty, with water ...	0	1	0				coal ...	0	4				
							<b>COAL</b> ...	3	0				
										0	5	4	
Carried forward	2	4	9								3	4	1
							Carried forward				3	4	1

## No. 2,344.—WYLAM.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				3	4	1	Brought forward				15	2	2
Grey metal stone ...	0	3	0				Blue and black metal,						
White post ...	0	5	0				with post girdles ...	1	0	0			
Whin ...	0	0	9				Blue and black metal	2	0	0			
White post ...	0	3	0				Open white post, with						
Grey metal ...	0	3	8				water ...	0	4	6			
COAL ...	0	1	4				White and grey post	1	2	4			
				2	4	9	Blue metal ...	0	2	0			
Grey metal stone ...	0	3	0				COAL, with water...	0	3	7			
White post, with scamy											6	0	5
partings and water	3	1	0				Grey metal ...	0	2	0			
							Grey post, with water	0	1	6			
	Ft.	In.					Grey metal ...	1	1	0			
COAL ...	0	10					White post, with water	0	2	6			
Black danty							Blue metal ...	0	1	6			
metal ...	0	3					Black metal, scared						
COAL ...	0	9					with coal ..	0	1	0			
			0	1	10		COAL, foul ...	0	0	4			
				3	5	10	COAL; with water...	0	3	8			
Black and blue metal	1	0	0								3	1	6
Grey post, with metal													
partings ...	2	3	0				Grey metal thill ...				0	0	5
White and grey open													
post, with water ...	1	2	0										
COAL ...	0	0	6										
				4	5	6							
Carried forward				15	2	2	Total ...				24	4	6

## No. 2,345.—WYLAM.

TOWNSHIP OF WYLAM, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat.

Long.

*Account of the Boring in the Elliot Pit, at Wylam Colliery, from the Six-quarter Coal Seam. July 17th, 1763.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Loose rubbish ...	1	4	0				Brought forward	5	4	6			
Grey post ...	1	2	0				Strong grey scamy						
Mixture whin ...	0	2	0				stone ...	0	4	7			
Blue grey metal stone	1	2	6				Whin ...	0	1	0			
Black stone, with hard							Grey metal stone ...	0	4	6			
girdles or lumps ...	1	0	0				COAL, with water...	0	2	7			
Carried forward	5	4	6										
							Carried forward	7	5	2			

## No. 2,345.—WYLAM.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	7	5	2				Brought forward	13	1	0			
Black metal, mixed							Grey and blue metal	1	0	0			
with coal ...	0	0	2				White post ...	1	1	0			
<b>COAL</b> ...	0	1	2				Whin ...	0	2	3			
				8	0	6	Grey and blue metal						
Grey metal and metal							and post girdles ...	1	5	0			
stone, with girdles	1	5	6				White post ...	3	1	6			
Black stone ...	0	3	0				Grey metal stone ...	0	4	3			
Blue metal ...	0	1	6				<b>COAL</b> , with water...	0	1	4			
<b>COAL</b> ...	0	0	4								8	3	4
				2	4	4							
Grey and black metal,							Grey post, with mix-						
with hard girdles...	1	5	8				ture whin girdles...	4	1	6			
		Ft.	In.				Grey metal stone ...	0	3	9			
<b>COAL</b> , with							Into grey post ...	0	0	9			
water ...	0	7									5	0	0
Blue metal ...	0	1											
<b>COAL</b> , with													
water ...	1	4											
<b>COAL</b> , hard													
coarsesplinty	0	6											
				0	2	6							
				2	2	2							
Carried forward				13	1	0	Total ...				26	4	4

## No. 2,346.—WYLAM.

TOWNSHIP OF WYLAM, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat. , Long.

*Bored in the Margery Pit, at Wylam Colliery, from the Six-quarter Coal Seam.*  
*August 31st, 1763.*

Approximate surface level      feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Box ...	0	2	3				Brought forward	4	4	10			
Grey metal stone ...	0	0	6				Grey metal stone ...	0	4	2			
Grey post ...	0	5	0										
Strong white post,								Ft.	In.				
mixed with whin...	0	3	0				<b>COAL</b> ...	1	9				
Whin ...	0	0	10				Black grey me-						
White post, with water	0	1	4				tal ...	0	2				
Grey metal ...	1	1	0				<b>COAL</b> ...	0	8				
Black stone, with gir-							<b>COAL</b> , splinty	0	2				
dles and water ...	0	4	9							0	2	9	
Grey metal stone, with											5	5	9
girdles ...	0	3	8				Grey metal ...	0	0	6			
Whin ...	0	0	6				Into grey post ...	0	2	0			
											0	2	6
Carried forward	4	4	10				Total ..				6	2	3





## No. 2,348.—WYLAM.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				6	4	2	Brought forward	3	4	0	12	1	6
Blue grey metal stone	5	2	4				COAL ...	0	2	5			
COAL ...	0	1	0				COAL, coarse splinty	0	1	0			
				5	3	4					4	1	5
Grey metal stone ...	3	2	0				Into grey metal stone.						
Black stone ...	0	2	0										
Carried forward	3	4	0	12	1	6	Total ...				16	2	11

## No. 2,349.—WYLAM.

## TOWNSHIP OF WYLAM, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat. , Long.

*First Hole, bored in the Andrew Pit, at Wylam Colliery, from the Thill of the Yard Coal Seam. May 1st, 1776.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Thill ...	0	0	7				Brought forward	4	4	8			
Whin ...	0	0	10										
Grey post girdles	1	1	0				COAL, good...	2	7				
Blue metal stone	2	0	0				Splint ...	0	3				
Grey post girdles	0	4	0							0	2	10	
Blue metal stone	0	4	3								5	1	6
Carried forward	4	4	8				Total ...				5	1	6

## No. 2,350.—WYLAM.

## TOWNSHIP OF WYLAM, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat. , Long.

*Second Hole, bored in the Primrose Pit from the Yard Coal Seam. May 17th, 1776.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Blue metal ...	0	0	6				Brought forward	4	4	6			
White metal ...	0	0	6				White post ...	1	0	0			
Blue grey metal, with water	2	2	0				Blue grey metal	3	0	0			
Grey metal, with post girdles	2	1	6				COAL ...	0	2	8			
											9	1	2
Carried forward	4	4	6				Total ...				9	1	2

## No. 2,351.—WYLAM.

TOWNSHIP OF WYLAM, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat. , Long.

*Third Hole, bored in the Endeavour Pit, Wylam Colliery, from the Thill of the Yard Coal Seam. May, 1776.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Blue grey metal ...	2	4	6				Brought forward	9	3	6			
Grey metal, with <i>coal pipes</i> ...	0	0	6				Ft. In.						
Blue grey metal ...	4	5	0				COAL ...	2	11				
White post ...	0	3	6				COAL, splint	0	5				
Blue grey metal ...	1	2	0							0	3	4	
Carried forward	9	3	6				Total ...				10	0	10
											10	0	10

## No. 2,352.—WYLAM.

TOWNSHIP OF WYLAM, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat. , Long.

*Account of Boring from Brockwell Seam (supposed Denton Low Main or Horsley Wood Seam) in the Prosperous Pit, Wylam Colliery. March, 1814.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Grey post ...	1	0	0				Brought forward	7	1	0	4	3	7
Blue stone ...	0	1	0				Bluestone, with girdles	1	3	0			
White post ...	1	4	0				Strong white post ...	2	0	3			
Blue stone ...	0	0	10				White casy parting	0	1	8			
White post ...	0	0	10				Strong post ...	2	4	4			
Blue stone ...	0	2	0				Blue stone ...	0	0	8			
Post girdle ...	0	0	4				COAL ...	0	0	10			
Blue stone ...	1	0	1								13	5	9
COAL ...	0	0	6				Thill ...	0	1	10			
				4	3	7	Strong grey post ...	3	1	7			
Strong white post ...	5	2	7				Whin ...	0	3	4			
Whin ...	0	2	0								4	0	9
Post ...	1	2	5				Total ...				22	4	1
Carried forward	7	1	0	4	3	7							





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